

**Cleaning Protocol Form**

Validation Statement: The following containers were pre-cleaned according to one of three cleaning protocols listed below:

**Cleaning Protocol A:**

**Note:** Containers used in the analyses of: Metals, (Organics - Extractables BNAs, Pesticides/PCBs, - (Glass only)), Inorganics - Cyanide, Sulfide, Alkalinity, Anions as (Fluoride, Chlorides, Sulfate), Acidity, Hardness, (TOC, Oil & Grease, Phenolics - Glass only)

Protocol A - Glass Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed with 1:1 Nitric acid.
3. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
4. Oven Dried.

Protocol A - Plastic Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

**Cleaning Protocol B:**

**Note:** Containers used in the analysis of Organic - Purgeables (VOCs) and PCB Wipes.

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Oven Dried.

**Cleaning Protocol C:**

**Note:** Containers used in the analyses of: Inorganics - BOD, CBOD, COD, Residues as TSS, TS, TDS, Nitrogen Species (Ammonia, Nitrate, Nitrite)

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

This case is NOT preserved.

Stirbars: Yes  No

Bar-Coded: Yes  No

Tared Weight: Yes  No

**Level: Processed (PC) (X)**

Glassware / Plasticware received full Quality Assurance and Quality Control treatment. Containers, liners, and closures as applicable, are cleaned according to EPA recommended procedures and validated through a third party (NELAP) testing Laboratory. Each case of containers is custody sealed and labeled for traceability by Lot Number. C&G Containers, at its discretion, may change the cleaning protocol process(es) to ensure cleanliness in meeting analyte specifications or other requirements of this product.

**Available Preservatives:**

|                                 |   |  |  |
|---------------------------------|---|--|--|
| Ascorbic Acid (crystal)         | Ammonium Chloride (crystal)             | Deionized Water  | 1:1 Hydrochloric Acid                              |
| Methanol                        | 1:1 Nitric Acid                         | 18.8% - 19.6% Nitric Acid                                | 1:1 Phosphoric Acid                                |
| Potassium Acetate (crystal)     | Potassium Phosphate Monobasic (crystal) | Monochloroacetic Acid/ Potassium Acetate Buffer Solution | 1:1 Sulfuric Acid                                  |
| Sodium Azide (crystal)          | Sodium Bisulfate (crystal)              | Sodium Bisulfate Solution (1 g / 5 ml DI)                | Sodium Phosphate Tribasic (crystal)                |
| 6 N Sodium Hydroxide            | 10 N Sodium Hydroxide                   | 1:1 Sodium Hydroxide                                     | Sodium Phosphate Tribasic Solution (1 g / 5 ml DI) |
| 1 Molar Sodium Sulfite Solution | Sodium Sulfite (crystal)                | Zinc Acetate (crystal)                                   | 1 N Zinc Acetate                                   |
| Sodium Thiosulfate (crystal)    | 10% Sodium Thiosulfate                  | 0.1 N Sodium Thiosulfate                                 | 0.008% Sodium Thiosulfate                          |

NOTES:

a. Solid-top caps feature fluoropolymer resin liners. Open-top caps feature ultrasonically bonded 3.1mm (1/8") fluoropolymer resin/silicone septa.

This "Cleaning Protocol Form" is provided for your records and is used to facilitate any required correspondences as needed.

**Date:** 11/24/2025

**Item Description:** 40mL Clear Vials  
Open-Top Cap, Quality Assured

**Lot Number:** 112425-3BOL QLFV15900034

**VWR Part No.:** 89093-862

**Protocol:** B **Level:** PC

**Chemical Lot No.:** N/A



Chief Executive Officer  
Manufactured for VWR International

**Cleaning Protocol Form**

Validation Statement: The following containers were pre-cleaned according to one of three cleaning protocols listed below:

**Cleaning Protocol A:**

**Note:** Containers used in the analyses of: Metals, (Organics - Extractables BNAs, Pesticides/PCBs, - (Glass only)), Inorganics - Cyanide, Sulfide, Alkalinity, Anions as (Fluoride, Chlorides, Sulfate), Acidity, Hardness, (TOC, Oil & Grease, Phenolics - Glass only)

Protocol A - Glass Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed with 1:1 Nitric acid.
3. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
4. Oven Dried.

Protocol A - Plastic Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

**Cleaning Protocol B:**

**Note:** Containers used in the analysis of Organic - Purgeables (VOCs) and PCB Wipes.

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Oven Dried.

**Cleaning Protocol C:**

**Note:** Containers used in the analyses of: Inorganics - BOD, CBOD, COD, Residues as TSS, TS, TDS, Nitrogen Species (Ammonia, Nitrate, Nitrite)

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

This case is NOT preserved.

Stirbars: Yes  No

Bar-Coded: Yes  No

Tared Weight: Yes  No

**Level: Processed (PC) (X)**

Glassware / Plasticware received full Quality Assurance and Quality Control treatment. Containers, liners, and closures as applicable, are cleaned according to EPA recommended procedures and validated through a third party (NELAP) testing Laboratory. Each case of containers is custody sealed and labeled for traceability by Lot Number. C&G Containers, at its discretion, may change the cleaning protocol process(es) to ensure cleanliness in meeting analyte specifications or other requirements of this product.

**Available Preservatives:**

|                                 |   |  |  |
|---------------------------------|---|--|--|
| Ascorbic Acid (crystal)         | Ammonium Chloride (crystal)             | Deionized Water  | 1:1 Hydrochloric Acid                              |
| Methanol                        | 1:1 Nitric Acid                         | 18.8% - 19.6% Nitric Acid                                | 1:1 Phosphoric Acid                                |
| Potassium Acetate (crystal)     | Potassium Phosphate Monobasic (crystal) | Monochloroacetic Acid/ Potassium Acetate Buffer Solution | 1:1 Sulfuric Acid                                  |
| Sodium Azide (crystal)          | Sodium Bisulfate (crystal)              | Sodium Bisulfate Solution (1 g / 5 ml DI)                | Sodium Phosphate Tribasic (crystal)                |
| 6 N Sodium Hydroxide            | 10 N Sodium Hydroxide                   | 1:1 Sodium Hydroxide                                     | Sodium Phosphate Tribasic Solution (1 g / 5 ml DI) |
| 1 Molar Sodium Sulfite Solution | Sodium Sulfite (crystal)                | Zinc Acetate (crystal)                                   | 1 N Zinc Acetate                                   |
| Sodium Thiosulfate (crystal)    | 10% Sodium Thiosulfate                  | 0.1 N Sodium Thiosulfate                                 | 0.008% Sodium Thiosulfate                          |

NOTES:

a. Solid-top caps feature fluoropolymer resin liners. Open-top caps feature ultrasonically bonded 3.1mm (1/8") fluoropolymer resin/silicone septa.

This "Cleaning Protocol Form" is provided for your records and is used to facilitate any required correspondences as needed.

Date: 11/24/2025

Item Description: 40mL Clear Vials  
Open-Top Cap, Quality Assured

Lot Number: 112425-3BOL QLFV15900034

VWR Part No.: 89093-862

Protocol: B Level: PC

Chemical Lot No.: N/A



Chief Executive Officer  
Manufactured for VWR International

**Cleaning Protocol Form**

Validation Statement: The following containers were pre-cleaned according to one of three cleaning protocols listed below:

**Cleaning Protocol A:**

**Note:** Containers used in the analyses of: Metals, (Organics - Extractables BNAs, Pesticides/PCBs, - (Glass only)), Inorganics - Cyanide, Sulfide, Alkalinity, Anions as (Fluoride, Chlorides, Sulfate), Acidity, Hardness, (TOC, Oil & Grease, Phenolics - Glass only)

Protocol A - Glass Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed with 1:1 Nitric acid.
3. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
4. Oven Dried.

Protocol A - Plastic Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

**Cleaning Protocol B:**

**Note:** Containers used in the analysis of Organic - Purgeables (VOCs) and PCB Wipes.

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Oven Dried.

**Cleaning Protocol C:**

**Note:** Containers used in the analyses of: Inorganics - BOD, CBOD, COD, Residues as TSS, TS, TDS, Nitrogen Species (Ammonia, Nitrate, Nitrite)

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

This case is NOT preserved.

Stirbars: Yes  No

Bar-Coded: Yes  No

Tared Weight: Yes  No

**Level: Processed (PC) (X)**

Glassware / Plasticware received full Quality Assurance and Quality Control treatment. Containers, liners, and closures as applicable, are cleaned according to EPA recommended procedures and validated through a third party (NELAP) testing Laboratory. Each case of containers is custody sealed and labeled for traceability by Lot Number. C&G Containers, at its discretion, may change the cleaning protocol process(es) to ensure cleanliness in meeting analyte specifications or other requirements of this product.

**Available Preservatives:**

|                                 |   |  |  |
|---------------------------------|---|--|--|
| Ascorbic Acid (crystal)         | Ammonium Chloride (crystal)             | Deionized Water  | 1:1 Hydrochloric Acid                              |
| Methanol                        | 1:1 Nitric Acid                         | 18.8% - 19.6% Nitric Acid                                | 1:1 Phosphoric Acid                                |
| Potassium Acetate (crystal)     | Potassium Phosphate Monobasic (crystal) | Monochloroacetic Acid/ Potassium Acetate Buffer Solution | 1:1 Sulfuric Acid                                  |
| Sodium Azide (crystal)          | Sodium Bisulfate (crystal)              | Sodium Bisulfate Solution (1 g / 5 ml DI)                | Sodium Phosphate Tribasic (crystal)                |
| 6 N Sodium Hydroxide            | 10 N Sodium Hydroxide                   | 1:1 Sodium Hydroxide                                     | Sodium Phosphate Tribasic Solution (1 g / 5 ml DI) |
| 1 Molar Sodium Sulfite Solution | Sodium Sulfite (crystal)                | Zinc Acetate (crystal)                                   | 1 N Zinc Acetate                                   |
| Sodium Thiosulfate (crystal)    | 10% Sodium Thiosulfate                  | 0.1 N Sodium Thiosulfate                                 | 0.008% Sodium Thiosulfate                          |

NOTES:

a. Solid-top caps feature fluoropolymer resin liners. Open-top caps feature ultrasonically bonded 3.1mm (1/8") fluoropolymer resin/silicone septa.

This "Cleaning Protocol Form" is provided for your records and is used to facilitate any required correspondences as needed.

Date: 11/24/2025

Item Description: 40mL Clear Vials  
Open-Top Cap, Quality Assured

Lot Number: 112425-3BOL QLFV15900034

VWR Part No.: 89093-862

Protocol: B Level: PC

Chemical Lot No.: N/A



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**Cleaning Protocol Form**

Validation Statement: The following containers were pre-cleaned according to one of three cleaning protocols listed below:

**Cleaning Protocol A:**

**Note:** Containers used in the analyses of: Metals, (Organics - Extractables BNAs, Pesticides/PCBs, - (Glass only)), Inorganics - Cyanide, Sulfide, Alkalinity, Anions as (Fluoride, Chlorides, Sulfate), Acidity, Hardness, (TOC, Oil & Grease, Phenolics - Glass only)

Protocol A - Glass Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed with 1:1 Nitric acid.
3. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
4. Oven Dried.

Protocol A - Plastic Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

**Cleaning Protocol B:**

**Note:** Containers used in the analysis of Organic - Purgeables (VOCs) and PCB Wipes.

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Oven Dried.

**Cleaning Protocol C:**

**Note:** Containers used in the analyses of: Inorganics - BOD, CBOD, COD, Residues as TSS, TS, TDS, Nitrogen Species (Ammonia, Nitrate, Nitrite)

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

This case is NOT preserved.

Stirbars: Yes  No

Bar-Coded: Yes  No

Tared Weight: Yes  No

**Level: Processed (PC) (X)**

Glassware / Plasticware received full Quality Assurance and Quality Control treatment. Containers, liners, and closures as applicable, are cleaned according to EPA recommended procedures and validated through a third party (NELAP) testing Laboratory. Each case of containers is custody sealed and labeled for traceability by Lot Number. C&G Containers, at its discretion, may change the cleaning protocol process(es) to ensure cleanliness in meeting analyte specifications or other requirements of this product.

**Available Preservatives:**

|                                 |   |  |  |
|---------------------------------|---|--|--|
| Ascorbic Acid (crystal)         | Ammonium Chloride (crystal)             | Deionized Water  | 1:1 Hydrochloric Acid                              |
| Methanol                        | 1:1 Nitric Acid                         | 18.8% - 19.6% Nitric Acid                                | 1:1 Phosphoric Acid                                |
| Potassium Acetate (crystal)     | Potassium Phosphate Monobasic (crystal) | Monochloroacetic Acid/ Potassium Acetate Buffer Solution | 1:1 Sulfuric Acid                                  |
| Sodium Azide (crystal)          | Sodium Bisulfate (crystal)              | Sodium Bisulfate Solution (1 g / 5 ml DI)                | Sodium Phosphate Tribasic (crystal)                |
| 6 N Sodium Hydroxide            | 10 N Sodium Hydroxide                   | 1:1 Sodium Hydroxide                                     | Sodium Phosphate Tribasic Solution (1 g / 5 ml DI) |
| 1 Molar Sodium Sulfite Solution | Sodium Sulfite (crystal)                | Zinc Acetate (crystal)                                   | 1 N Zinc Acetate                                   |
| Sodium Thiosulfate (crystal)    | 10% Sodium Thiosulfate                  | 0.1 N Sodium Thiosulfate                                 | 0.008% Sodium Thiosulfate                          |

NOTES:

- Solid-top caps feature fluoropolymer resin liners. Open-top caps feature ultrasonically bonded 3.1mm (1/8") fluoropolymer resin/silicone septa.

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Date: 11/24/2025

Item Description: 40mL Clear Vials  
Open-Top Cap, Quality Assured

Lot Number: 112425-3BOL QLFV15900034

VWR Part No.: 89093-862

Protocol: B Level: PC

Chemical Lot No.: N/A



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**Cleaning Protocol Form**

Validation Statement: The following containers were pre-cleaned according to one of three cleaning protocols listed below:

**Cleaning Protocol A:**

**Note:** Containers used in the analyses of: Metals, (Organics - Extractables BNAs, Pesticides/PCBs, - (Glass only)), Inorganics - Cyanide, Sulfide, Alkalinity, Anions as (Fluoride, Chlorides, Sulfate), Acidity, Hardness, (TOC, Oil & Grease, Phenolics - Glass only)

Protocol A - Glass Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed with 1:1 Nitric acid.
3. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
4. Oven Dried.

Protocol A - Plastic Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

**Cleaning Protocol B:**

**Note:** Containers used in the analysis of Organic - Purgeables (VOCs) and PCB Wipes.

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Oven Dried.

**Cleaning Protocol C:**

**Note:** Containers used in the analyses of: Inorganics - BOD, CBOD, COD, Residues as TSS, TS, TDS, Nitrogen Species (Ammonia, Nitrate, Nitrite)

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

This case is NOT preserved.

Stirbars: Yes  No

Bar-Coded: Yes  No

Tared Weight: Yes  No

**Level: Processed (PC) (X)**

Glassware / Plasticware received full Quality Assurance and Quality Control treatment. Containers, liners, and closures as applicable, are cleaned according to EPA recommended procedures and validated through a third party (NELAP) testing Laboratory. Each case of containers is custody sealed and labeled for traceability by Lot Number. C&G Containers, at its discretion, may change the cleaning protocol process(es) to ensure cleanliness in meeting analyte specifications or other requirements of this product.

**Available Preservatives:**

|                                 |   |  |  |
|---------------------------------|---|--|--|
| Ascorbic Acid (crystal)         | Ammonium Chloride (crystal)             | Deionized Water  | 1:1 Hydrochloric Acid                              |
| Methanol                        | 1:1 Nitric Acid                         | 18.8% - 19.6% Nitric Acid                                | 1:1 Phosphoric Acid                                |
| Potassium Acetate (crystal)     | Potassium Phosphate Monobasic (crystal) | Monochloroacetic Acid/ Potassium Acetate Buffer Solution | 1:1 Sulfuric Acid                                  |
| Sodium Azide (crystal)          | Sodium Bisulfate (crystal)              | Sodium Bisulfate Solution (1 g / 5 ml DI)                | Sodium Phosphate Tribasic (crystal)                |
| 6 N Sodium Hydroxide            | 10 N Sodium Hydroxide                   | 1:1 Sodium Hydroxide                                     | Sodium Phosphate Tribasic Solution (1 g / 5 ml DI) |
| 1 Molar Sodium Sulfite Solution | Sodium Sulfite (crystal)                | Zinc Acetate (crystal)                                   | 1 N Zinc Acetate                                   |
| Sodium Thiosulfate (crystal)    | 10% Sodium Thiosulfate                  | 0.1 N Sodium Thiosulfate                                 | 0.008% Sodium Thiosulfate                          |

NOTES:

- Solid-top caps feature fluoropolymer resin liners. Open-top caps feature ultrasonically bonded 3.1mm (1/8") fluoropolymer resin/silicone septa.

This "Cleaning Protocol Form" is provided for your records and is used to facilitate any required correspondences as needed.

Date: 11/24/2025

Item Description: 40mL Clear Vials  
Open-Top Cap, Quality Assured

Lot Number: 112425-3BOL QLFV15900034

VWR Part No.: 89093-862

Protocol: B Level: PC

Chemical Lot No.: N/A



Chief Executive Officer  
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**Cleaning Protocol Form**

Validation Statement: The following containers were pre-cleaned according to one of three cleaning protocols listed below:

**Cleaning Protocol A:**

**Note:** Containers used in the analyses of: Metals, (Organics - Extractables BNAs, Pesticides/PCBs, - (Glass only)), Inorganics - Cyanide, Sulfide, Alkalinity, Anions as (Fluoride, Chlorides, Sulfate), Acidity, Hardness, (TOC, Oil & Grease, Phenolics - Glass only)

Protocol A - Glass Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed with 1:1 Nitric acid.
3. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
4. Oven Dried.

Protocol A - Plastic Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

**Cleaning Protocol B:**

**Note:** Containers used in the analysis of Organic - Purgeables (VOCs) and PCB Wipes.

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Oven Dried.

**Cleaning Protocol C:**

**Note:** Containers used in the analyses of: Inorganics - BOD, CBOD, COD, Residues as TSS, TS, TDS, Nitrogen Species (Ammonia, Nitrate, Nitrite)

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

This case is NOT preserved.

Stirbars: Yes  No

Bar-Coded: Yes  No

Tared Weight: Yes  No

**Level: Processed (PC) (X)**

Glassware / Plasticware received full Quality Assurance and Quality Control treatment. Containers, liners, and closures as applicable, are cleaned according to EPA recommended procedures and validated through a third party (NELAP) testing Laboratory. Each case of containers is custody sealed and labeled for traceability by Lot Number. C&G Containers, at its discretion, may change the cleaning protocol process(es) to ensure cleanliness in meeting analyte specifications or other requirements of this product.

**Available Preservatives:**

|                                 |   |  |  |
|---------------------------------|---|--|--|
| Ascorbic Acid (crystal)         | Ammonium Chloride (crystal)             | Deionized Water  | 1:1 Hydrochloric Acid                              |
| Methanol                        | 1:1 Nitric Acid                         | 18.8% - 19.6% Nitric Acid                                | 1:1 Phosphoric Acid                                |
| Potassium Acetate (crystal)     | Potassium Phosphate Monobasic (crystal) | Monochloroacetic Acid/ Potassium Acetate Buffer Solution | 1:1 Sulfuric Acid                                  |
| Sodium Azide (crystal)          | Sodium Bisulfate (crystal)              | Sodium Bisulfate Solution (1 g / 5 ml DI)                | Sodium Phosphate Tribasic (crystal)                |
| 6 N Sodium Hydroxide            | 10 N Sodium Hydroxide                   | 1:1 Sodium Hydroxide                                     | Sodium Phosphate Tribasic Solution (1 g / 5 ml DI) |
| 1 Molar Sodium Sulfite Solution | Sodium Sulfite (crystal)                | Zinc Acetate (crystal)                                   | 1 N Zinc Acetate                                   |
| Sodium Thiosulfate (crystal)    | 10% Sodium Thiosulfate                  | 0.1 N Sodium Thiosulfate                                 | 0.008% Sodium Thiosulfate                          |

NOTES:

- a. Solid-top caps feature fluoropolymer resin liners. Open-top caps feature ultrasonically bonded 3.1mm (1/8") fluoropolymer resin/silicone septa.

This "Cleaning Protocol Form" is provided for your records and is used to facilitate any required correspondences as needed.

**Date:** 11/24/2025

**Item Description:** 40mL Clear Vials  
Open-Top Cap, Quality Assured

**Lot Number:** 112425-3BOL QLFV15900034

**VWR Part No.:** 89093-862

**Protocol:** B **Level:** PC

**Chemical Lot No.:** N/A



Chief Executive Officer  
Manufactured for VWR International

**Cleaning Protocol Form**

Validation Statement: The following containers were pre-cleaned according to one of three cleaning protocols listed below:

**Cleaning Protocol A:**

**Note:** Containers used in the analyses of: Metals, (Organics - Extractables BNAs, Pesticides/PCBs, - (Glass only)), Inorganics - Cyanide, Sulfide, Alkalinity, Anions as (Fluoride, Chlorides, Sulfate), Acidity, Hardness, (TOC, Oil & Grease, Phenolics - Glass only)

Protocol A - Glass Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed with 1:1 Nitric acid.
3. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
4. Oven Dried.

Protocol A - Plastic Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

**Cleaning Protocol B:**

**Note:** Containers used in the analysis of Organic - Purgeables (VOCs) and PCB Wipes.

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Oven Dried.

**Cleaning Protocol C:**

**Note:** Containers used in the analyses of: Inorganics - BOD, CBOD, COD, Residues as TSS, TS, TDS, Nitrogen Species (Ammonia, Nitrate, Nitrite)

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

This case is NOT preserved.

Stirbars: Yes  No

Bar-Coded: Yes  No

Tared Weight: Yes  No

**Level: Processed (PC) (X)**

Glassware / Plasticware received full Quality Assurance and Quality Control treatment. Containers, liners, and closures as applicable, are cleaned according to EPA recommended procedures and validated through a third party (NELAP) testing Laboratory. Each case of containers is custody sealed and labeled for traceability by Lot Number. C&G Containers, at its discretion, may change the cleaning protocol process(es) to ensure cleanliness in meeting analyte specifications or other requirements of this product.

**Available Preservatives:**

|                                 |   |  |  |
|---------------------------------|---|--|--|
| Ascorbic Acid (crystal)         | Ammonium Chloride (crystal)             | Deionized Water  | 1:1 Hydrochloric Acid                              |
| Methanol                        | 1:1 Nitric Acid                         | 18.8% - 19.6% Nitric Acid                                | 1:1 Phosphoric Acid                                |
| Potassium Acetate (crystal)     | Potassium Phosphate Monobasic (crystal) | Monochloroacetic Acid/ Potassium Acetate Buffer Solution | 1:1 Sulfuric Acid                                  |
| Sodium Azide (crystal)          | Sodium Bisulfate (crystal)              | Sodium Bisulfate Solution (1 g / 5 ml DI)                | Sodium Phosphate Tribasic (crystal)                |
| 6 N Sodium Hydroxide            | 10 N Sodium Hydroxide                   | 1:1 Sodium Hydroxide                                     | Sodium Phosphate Tribasic Solution (1 g / 5 ml DI) |
| 1 Molar Sodium Sulfite Solution | Sodium Sulfite (crystal)                | Zinc Acetate (crystal)                                   | 1 N Zinc Acetate                                   |
| Sodium Thiosulfate (crystal)    | 10% Sodium Thiosulfate                  | 0.1 N Sodium Thiosulfate                                 | 0.008% Sodium Thiosulfate                          |

NOTES:

a. Solid-top caps feature fluoropolymer resin liners. Open-top caps feature ultrasonically bonded 3.1mm (1/8") fluoropolymer resin/silicone septa.

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Date: 11/24/2025

Item Description: 40mL Clear Vials  
Open-Top Cap, Quality Assured

Lot Number: 112425-3BOL QLFV15900034

VWR Part No.: 89093-862

Protocol: B Level: PC

Chemical Lot No.: N/A



Chief Executive Officer  
Manufactured for VWR International

## Cleaning Protocol Form

Validation Statement: The following containers were pre-cleaned according to one of three cleaning protocols listed below:

### Cleaning Protocol A:

**Note:** Containers used in the analyses of: Metals, (Organics - Extractables BNAs, Pesticides/PCBs, - (Glass only)), Inorganics - Cyanide, Sulfide, Alkalinity, Anions as (Fluoride, Chlorides, Sulfate), Acidity, Hardness, (TOC, Oil & Grease, Phenolics - Glass only)

#### Protocol A - Glass Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed with 1:1 Nitric acid.
3. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
4. Oven Dried.

#### Protocol A - Plastic Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

### Cleaning Protocol B:

**Note:** Containers used in the analysis of Organic - Purgeables (VOCs) and PCB Wipes.

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Oven Dried.

### Cleaning Protocol C:

**Note:** Containers used in the analyses of: Inorganics - BOD, CBOD, COD, Residues as TSS, TS, TDS, Nitrogen Species (Ammonia, Nitrate, Nitrite)

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

This case is NOT preserved.

Stirbars: Yes  No

Bar-Coded: Yes  No

Tared Weight: Yes  No

### Level: Processed (PC) (X)

Glassware / Plasticware received full Quality Assurance and Quality Control treatment. Containers, liners, and closures as applicable, are cleaned according to EPA recommended procedures and validated through a third party (NELAP) testing Laboratory. Each case of containers is custody sealed and labeled for traceability by Lot Number. C&G Containers, at its discretion, may change the cleaning protocol process(es) to ensure cleanliness in meeting analyte specifications or other requirements of this product.

### Available Preservatives:

|                                 |   |  |  |
|---------------------------------|---|--|--|
| Ascorbic Acid (crystal)         | Ammonium Chloride (crystal)             | Deionized Water  | 1:1 Hydrochloric Acid                              |
| Methanol                        | 1:1 Nitric Acid                         | 18.8% - 19.6% Nitric Acid                                | 1:1 Phosphoric Acid                                |
| Potassium Acetate (crystal)     | Potassium Phosphate Monobasic (crystal) | Monochloroacetic Acid/ Potassium Acetate Buffer Solution | 1:1 Sulfuric Acid                                  |
| Sodium Azide (crystal)          | Sodium Bisulfate (crystal)              | Sodium Bisulfate Solution (1 g / 5 ml DI)                | Sodium Phosphate Tribasic (crystal)                |
| 6 N Sodium Hydroxide            | 10 N Sodium Hydroxide                   | 1:1 Sodium Hydroxide                                     | Sodium Phosphate Tribasic Solution (1 g / 5 ml DI) |
| 1 Molar Sodium Sulfite Solution | Sodium Sulfite (crystal)                | Zinc Acetate (crystal)                                   | 1 N Zinc Acetate                                   |
| Sodium Thiosulfate (crystal)    | 10% Sodium Thiosulfate                  | 0.1 N Sodium Thiosulfate                                 | 0.008% Sodium Thiosulfate                          |

#### NOTES:

- Solid-top caps feature fluoropolymer resin liners. Open-top caps feature ultrasonically bonded 3.1mm (1/8") fluoropolymer resin/silicone septa.

This "Cleaning Protocol Form" is provided for your records and is used to facilitate any required correspondences as needed.

**Date:** 11/24/2025

**Item Description:** 40mL Clear Vials  
Open-Top Cap, Quality Assured

**Lot Number:** 112425-3BOL QLFV15900034

**VWR Part No.:** 89093-862

**Protocol:** B **Level:** PC

**Chemical Lot No.:** N/A



Chief Executive Officer  
Manufactured for VWR International

**Cleaning Protocol Form**

Validation Statement: The following containers were pre-cleaned according to one of three cleaning protocols listed below:

**Cleaning Protocol A:**

**Note:** Containers used in the analyses of: Metals, (Organics - Extractables BNAs, Pesticides/PCBs, - (Glass only)), Inorganics - Cyanide, Sulfide, Alkalinity, Anions as (Fluoride, Chlorides, Sulfate), Acidity, Hardness, (TOC, Oil & Grease, Phenolics - Glass only)

Protocol A - Glass Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed with 1:1 Nitric acid.
3. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
4. Oven Dried.

Protocol A - Plastic Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

**Cleaning Protocol B:**

**Note:** Containers used in the analysis of Organic - Purgeables (VOCs) and PCB Wipes.

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Oven Dried.

**Cleaning Protocol C:**

**Note:** Containers used in the analyses of: Inorganics - BOD, CBOD, COD, Residues as TSS, TS, TDS, Nitrogen Species (Ammonia, Nitrate, Nitrite)

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

This case is NOT preserved.

Stirbars: Yes  No

Bar-Coded: Yes  No

Tared Weight: Yes  No

**Level: Processed (PC) (X)**

Glassware / Plasticware received full Quality Assurance and Quality Control treatment. Containers, liners, and closures as applicable, are cleaned according to EPA recommended procedures and validated through a third party (NELAP) testing Laboratory. Each case of containers is custody sealed and labeled for traceability by Lot Number. C&G Containers, at its discretion, may change the cleaning protocol process(es) to ensure cleanliness in meeting analyte specifications or other requirements of this product.

**Available Preservatives:**

|                                 |   |  |  |
|---------------------------------|---|--|--|
| Ascorbic Acid (crystal)         | Ammonium Chloride (crystal)             | Deionized Water  | 1:1 Hydrochloric Acid                              |
| Methanol                        | 1:1 Nitric Acid                         | 18.8% - 19.6% Nitric Acid                                | 1:1 Phosphoric Acid                                |
| Potassium Acetate (crystal)     | Potassium Phosphate Monobasic (crystal) | Monochloroacetic Acid/ Potassium Acetate Buffer Solution | 1:1 Sulfuric Acid                                  |
| Sodium Azide (crystal)          | Sodium Bisulfate (crystal)              | Sodium Bisulfate Solution (1 g / 5 ml DI)                | Sodium Phosphate Tribasic (crystal)                |
| 6 N Sodium Hydroxide            | 10 N Sodium Hydroxide                   | 1:1 Sodium Hydroxide                                     | Sodium Phosphate Tribasic Solution (1 g / 5 ml DI) |
| 1 Molar Sodium Sulfite Solution | Sodium Sulfite (crystal)                | Zinc Acetate (crystal)                                   | 1 N Zinc Acetate                                   |
| Sodium Thiosulfate (crystal)    | 10% Sodium Thiosulfate                  | 0.1 N Sodium Thiosulfate                                 | 0.008% Sodium Thiosulfate                          |

NOTES:

a. Solid-top caps feature fluoropolymer resin liners. Open-top caps feature ultrasonically bonded 3.1mm (1/8") fluoropolymer resin/silicone septa.

This "Cleaning Protocol Form" is provided for your records and is used to facilitate any required correspondences as needed.

Date: 11/24/2025

Item Description: 40mL Clear Vials  
Open-Top Cap, Quality Assured

Lot Number: 112425-3BOL QLFV15900034

VWR Part No.: 89093-862

Protocol: B Level: PC

Chemical Lot No.: N/A



Chief Executive Officer  
Manufactured for VWR International

**Cleaning Protocol Form**

Validation Statement: The following containers were pre-cleaned according to one of three cleaning protocols listed below:

**Cleaning Protocol A:**

**Note:** Containers used in the analyses of: Metals, (Organics - Extractables BNAs, Pesticides/PCBs, - (Glass only)), Inorganics - Cyanide, Sulfide, Alkalinity, Anions as (Fluoride, Chlorides, Sulfate), Acidity, Hardness, (TOC, Oil & Grease, Phenolics - Glass only)

Protocol A - Glass Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed with 1:1 Nitric acid.
3. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
4. Oven Dried.

Protocol A - Plastic Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

**Cleaning Protocol B:**

**Note:** Containers used in the analysis of Organic - Purgeables (VOCs) and PCB Wipes.

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Oven Dried.

**Cleaning Protocol C:**

**Note:** Containers used in the analyses of: Inorganics - BOD, CBOD, COD, Residues as TSS, TS, TDS, Nitrogen Species (Ammonia, Nitrate, Nitrite)

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

This case is NOT preserved.

Stirbars: Yes  No

Bar-Coded: Yes  No

Tared Weight: Yes  No

**Level: Processed (PC) (X)**

Glassware / Plasticware received full Quality Assurance and Quality Control treatment. Containers, liners, and closures as applicable, are cleaned according to EPA recommended procedures and validated through a third party (NELAP) testing Laboratory. Each case of containers is custody sealed and labeled for traceability by Lot Number. C&G Containers, at its discretion, may change the cleaning protocol process(es) to ensure cleanliness in meeting analyte specifications or other requirements of this product.

**Available Preservatives:**

|                                 |   |  |  |
|---------------------------------|---|--|--|
| Ascorbic Acid (crystal)         | Ammonium Chloride (crystal)             | Deionized Water  | 1:1 Hydrochloric Acid                              |
| Methanol                        | 1:1 Nitric Acid                         | 18.8% - 19.6% Nitric Acid                                | 1:1 Phosphoric Acid                                |
| Potassium Acetate (crystal)     | Potassium Phosphate Monobasic (crystal) | Monochloroacetic Acid/ Potassium Acetate Buffer Solution | 1:1 Sulfuric Acid                                  |
| Sodium Azide (crystal)          | Sodium Bisulfate (crystal)              | Sodium Bisulfate Solution (1 g / 5 ml DI)                | Sodium Phosphate Tribasic (crystal)                |
| 6 N Sodium Hydroxide            | 10 N Sodium Hydroxide                   | 1:1 Sodium Hydroxide                                     | Sodium Phosphate Tribasic Solution (1 g / 5 ml DI) |
| 1 Molar Sodium Sulfite Solution | Sodium Sulfite (crystal)                | Zinc Acetate (crystal)                                   | 1 N Zinc Acetate                                   |
| Sodium Thiosulfate (crystal)    | 10% Sodium Thiosulfate                  | 0.1 N Sodium Thiosulfate                                 | 0.008% Sodium Thiosulfate                          |

NOTES:

a. Solid-top caps feature fluoropolymer resin liners. Open-top caps feature ultrasonically bonded 3.1mm (1/8") fluoropolymer resin/silicone septa.

This "Cleaning Protocol Form" is provided for your records and is used to facilitate any required correspondences as needed.

Date: 11/24/2025

Item Description: 40mL Clear Vials  
Open-Top Cap, Quality Assured

Lot Number: 112425-3BOL QLFV15900034

VWR Part No.: 89093-862

Protocol: B Level: PC

Chemical Lot No.: N/A



Chief Executive Officer  
Manufactured for VWR International

**Cleaning Protocol Form**

Validation Statement: The following containers were pre-cleaned according to one of three cleaning protocols listed below:

**Cleaning Protocol A:**

**Note:** Containers used in the analyses of: Metals, (Organics - Extractables BNAs, Pesticides/PCBs, - (Glass only)), Inorganics - Cyanide, Sulfide, Alkalinity, Anions as (Fluoride, Chlorides, Sulfate), Acidity, Hardness, (TOC, Oil & Grease, Phenolics - Glass only)

Protocol A - Glass Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed with 1:1 Nitric acid.
3. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
4. Oven Dried.

Protocol A - Plastic Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

**Cleaning Protocol B:**

**Note:** Containers used in the analysis of Organic - Purgeables (VOCs) and PCB Wipes.

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Oven Dried.

**Cleaning Protocol C:**

**Note:** Containers used in the analyses of: Inorganics - BOD, CBOD, COD, Residues as TSS, TS, TDS, Nitrogen Species (Ammonia, Nitrate, Nitrite)

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

This case is NOT preserved.

Stirbars: Yes  No

Bar-Coded: Yes  No

Tared Weight: Yes  No

**Level: Processed (PC) (X)**

Glassware / Plasticware received full Quality Assurance and Quality Control treatment. Containers, liners, and closures as applicable, are cleaned according to EPA recommended procedures and validated through a third party (NELAP) testing Laboratory. Each case of containers is custody sealed and labeled for traceability by Lot Number. C&G Containers, at its discretion, may change the cleaning protocol process(es) to ensure cleanliness in meeting analyte specifications or other requirements of this product.

**Available Preservatives:**

|                                 |   |  |  |
|---------------------------------|---|--|--|
| Ascorbic Acid (crystal)         | Ammonium Chloride (crystal)             | Deionized Water  | 1:1 Hydrochloric Acid                              |
| Methanol                        | 1:1 Nitric Acid                         | 18.8% - 19.6% Nitric Acid                                | 1:1 Phosphoric Acid                                |
| Potassium Acetate (crystal)     | Potassium Phosphate Monobasic (crystal) | Monochloroacetic Acid/ Potassium Acetate Buffer Solution | 1:1 Sulfuric Acid                                  |
| Sodium Azide (crystal)          | Sodium Bisulfate (crystal)              | Sodium Bisulfate Solution (1 g / 5 ml DI)                | Sodium Phosphate Tribasic (crystal)                |
| 6 N Sodium Hydroxide            | 10 N Sodium Hydroxide                   | 1:1 Sodium Hydroxide                                     | Sodium Phosphate Tribasic Solution (1 g / 5 ml DI) |
| 1 Molar Sodium Sulfite Solution | Sodium Sulfite (crystal)                | Zinc Acetate (crystal)                                   | 1 N Zinc Acetate                                   |
| Sodium Thiosulfate (crystal)    | 10% Sodium Thiosulfate                  | 0.1 N Sodium Thiosulfate                                 | 0.008% Sodium Thiosulfate                          |

NOTES:

a. Solid-top caps feature fluoropolymer resin liners. Open-top caps feature ultrasonically bonded 3.1mm (1/8") fluoropolymer resin/silicone septa.

This "Cleaning Protocol Form" is provided for your records and is used to facilitate any required correspondences as needed.

Date: 11/24/2025

Item Description: 40mL Clear Vials  
Open-Top Cap, Quality Assured

Lot Number: 112425-3BOL QLFV15900034

VWR Part No.: 89093-862

Protocol: B Level: PC

Chemical Lot No.: N/A



Chief Executive Officer  
Manufactured for VWR International

**Cleaning Protocol Form**

Validation Statement: The following containers were pre-cleaned according to one of three cleaning protocols listed below:

**Cleaning Protocol A:**

**Note:** Containers used in the analyses of: Metals, (Organics - Extractables BNAs, Pesticides/PCBs, - (Glass only)), Inorganics - Cyanide, Sulfide, Alkalinity, Anions as (Fluoride, Chlorides, Sulfate), Acidity, Hardness, (TOC, Oil & Grease, Phenolics - Glass only)

Protocol A - Glass Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed with 1:1 Nitric acid.
3. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
4. Oven Dried.

Protocol A - Plastic Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

**Cleaning Protocol B:**

**Note:** Containers used in the analysis of Organic - Purgeables (VOCs) and PCB Wipes.

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Oven Dried.

**Cleaning Protocol C:**

**Note:** Containers used in the analyses of: Inorganics - BOD, CBOD, COD, Residues as TSS, TS, TDS, Nitrogen Species (Ammonia, Nitrate, Nitrite)

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

This case is NOT preserved.

Stirbars: Yes  No

Bar-Coded: Yes  No

Tared Weight: Yes  No

**Level: Processed (PC) (X)**

Glassware / Plasticware received full Quality Assurance and Quality Control treatment. Containers, liners, and closures as applicable, are cleaned according to EPA recommended procedures and validated through a third party (NELAP) testing Laboratory. Each case of containers is custody sealed and labeled for traceability by Lot Number. C&G Containers, at its discretion, may change the cleaning protocol process(es) to ensure cleanliness in meeting analyte specifications or other requirements of this product.

**Available Preservatives:**

|                                 |   |  |  |
|---------------------------------|---|--|--|
| Ascorbic Acid (crystal)         | Ammonium Chloride (crystal)             | Deionized Water  | 1:1 Hydrochloric Acid                              |
| Methanol                        | 1:1 Nitric Acid                         | 18.8% - 19.6% Nitric Acid                                | 1:1 Phosphoric Acid                                |
| Potassium Acetate (crystal)     | Potassium Phosphate Monobasic (crystal) | Monochloroacetic Acid/ Potassium Acetate Buffer Solution | 1:1 Sulfuric Acid                                  |
| Sodium Azide (crystal)          | Sodium Bisulfate (crystal)              | Sodium Bisulfate Solution (1 g / 5 ml DI)                | Sodium Phosphate Tribasic (crystal)                |
| 6 N Sodium Hydroxide            | 10 N Sodium Hydroxide                   | 1:1 Sodium Hydroxide                                     | Sodium Phosphate Tribasic Solution (1 g / 5 ml DI) |
| 1 Molar Sodium Sulfite Solution | Sodium Sulfite (crystal)                | Zinc Acetate (crystal)                                   | 1 N Zinc Acetate                                   |
| Sodium Thiosulfate (crystal)    | 10% Sodium Thiosulfate                  | 0.1 N Sodium Thiosulfate                                 | 0.008% Sodium Thiosulfate                          |

NOTES:

- a. Solid-top caps feature fluoropolymer resin liners. Open-top caps feature ultrasonically bonded 3.1mm (1/8") fluoropolymer resin/silicone septa.

This "Cleaning Protocol Form" is provided for your records and is used to facilitate any required correspondences as needed.

Date: 11/24/2025

Item Description: 40mL Clear Vials  
Open-Top Cap, Quality Assured

Lot Number: 112425-3BOL QLFV15900034

VWR Part No.: 89093-862

Protocol: B Level: PC

Chemical Lot No.: N/A



Chief Executive Officer  
Manufactured for VWR International

**Cleaning Protocol Form**

Validation Statement: The following containers were pre-cleaned according to one of three cleaning protocols listed below:

**Cleaning Protocol A:**

**Note:** Containers used in the analyses of: Metals, (Organics - Extractables BNAs, Pesticides/PCBs, - (Glass only)), Inorganics - Cyanide, Sulfide, Alkalinity, Anions as (Fluoride, Chlorides, Sulfate), Acidity, Hardness, (TOC, Oil & Grease, Phenolics - Glass only)

Protocol A - Glass Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed with 1:1 Nitric acid.
3. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
4. Oven Dried.

Protocol A - Plastic Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

**Cleaning Protocol B:**

**Note:** Containers used in the analysis of Organic - Purgeables (VOCs) and PCB Wipes.

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Oven Dried.

**Cleaning Protocol C:**

**Note:** Containers used in the analyses of: Inorganics - BOD, CBOD, COD, Residues as TSS, TS, TDS, Nitrogen Species (Ammonia, Nitrate, Nitrite)

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

This case is NOT preserved.

Stirbars: Yes  No

Bar-Coded: Yes  No

Tared Weight: Yes  No

**Level: Processed (PC) (X)**

Glassware / Plasticware received full Quality Assurance and Quality Control treatment. Containers, liners, and closures as applicable, are cleaned according to EPA recommended procedures and validated through a third party (NELAP) testing Laboratory. Each case of containers is custody sealed and labeled for traceability by Lot Number. C&G Containers, at its discretion, may change the cleaning protocol process(es) to ensure cleanliness in meeting analyte specifications or other requirements of this product.

**Available Preservatives:**

|                                 |   |  |  |
|---------------------------------|---|--|--|
| Ascorbic Acid (crystal)         | Ammonium Chloride (crystal)             | Deionized Water  | 1:1 Hydrochloric Acid                              |
| Methanol                        | 1:1 Nitric Acid                         | 18.8% - 19.6% Nitric Acid                                | 1:1 Phosphoric Acid                                |
| Potassium Acetate (crystal)     | Potassium Phosphate Monobasic (crystal) | Monochloroacetic Acid/ Potassium Acetate Buffer Solution | 1:1 Sulfuric Acid                                  |
| Sodium Azide (crystal)          | Sodium Bisulfate (crystal)              | Sodium Bisulfate Solution (1 g / 5 ml DI)                | Sodium Phosphate Tribasic (crystal)                |
| 6 N Sodium Hydroxide            | 10 N Sodium Hydroxide                   | 1:1 Sodium Hydroxide                                     | Sodium Phosphate Tribasic Solution (1 g / 5 ml DI) |
| 1 Molar Sodium Sulfite Solution | Sodium Sulfite (crystal)                | Zinc Acetate (crystal)                                   | 1 N Zinc Acetate                                   |
| Sodium Thiosulfate (crystal)    | 10% Sodium Thiosulfate                  | 0.1 N Sodium Thiosulfate                                 | 0.008% Sodium Thiosulfate                          |

NOTES:

- Solid-top caps feature fluoropolymer resin liners. Open-top caps feature ultrasonically bonded 3.1mm (1/8") fluoropolymer resin/silicone septa.

This "Cleaning Protocol Form" is provided for your records and is used to facilitate any required correspondences as needed.

Date: 11/24/2025

Item Description: 40mL Clear Vials  
Open-Top Cap, Quality Assured

Lot Number: 112425-3BOL QLFV15900034

VWR Part No.: 89093-862

Protocol: B Level: PC

Chemical Lot No.: N/A



Chief Executive Officer  
Manufactured for VWR International

**Cleaning Protocol Form**

Validation Statement: The following containers were pre-cleaned according to one of three cleaning protocols listed below:

**Cleaning Protocol A:**

**Note:** Containers used in the analyses of: Metals, (Organics - Extractables BNAs, Pesticides/PCBs, - (Glass only)), Inorganics - Cyanide, Sulfide, Alkalinity, Anions as (Fluoride, Chlorides, Sulfate), Acidity, Hardness, (TOC, Oil & Grease, Phenolics - Glass only)

Protocol A - Glass Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed with 1:1 Nitric acid.
3. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
4. Oven Dried.

Protocol A - Plastic Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

**Cleaning Protocol B:**

**Note:** Containers used in the analysis of Organic - Purgeables (VOCs) and PCB Wipes.

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Oven Dried.

**Cleaning Protocol C:**

**Note:** Containers used in the analyses of: Inorganics - BOD, CBOD, COD, Residues as TSS, TS, TDS, Nitrogen Species (Ammonia, Nitrate, Nitrite)

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

This case is NOT preserved.

Stirbars: Yes  No

Bar-Coded: Yes  No

Tared Weight: Yes  No

**Level: Processed (PC) (X)**

Glassware / Plasticware received full Quality Assurance and Quality Control treatment. Containers, liners, and closures as applicable, are cleaned according to EPA recommended procedures and validated through a third party (NELAP) testing Laboratory. Each case of containers is custody sealed and labeled for traceability by Lot Number. C&G Containers, at its discretion, may change the cleaning protocol process(es) to ensure cleanliness in meeting analyte specifications or other requirements of this product.

**Available Preservatives:**

|                                 |   |  |  |
|---------------------------------|---|--|--|
| Ascorbic Acid (crystal)         | Ammonium Chloride (crystal)             | Deionized Water  | 1:1 Hydrochloric Acid                              |
| Methanol                        | 1:1 Nitric Acid                         | 18.8% - 19.6% Nitric Acid                                | 1:1 Phosphoric Acid                                |
| Potassium Acetate (crystal)     | Potassium Phosphate Monobasic (crystal) | Monochloroacetic Acid/ Potassium Acetate Buffer Solution | 1:1 Sulfuric Acid                                  |
| Sodium Azide (crystal)          | Sodium Bisulfate (crystal)              | Sodium Bisulfate Solution (1 g / 5 ml DI)                | Sodium Phosphate Tribasic (crystal)                |
| 6 N Sodium Hydroxide            | 10 N Sodium Hydroxide                   | 1:1 Sodium Hydroxide                                     | Sodium Phosphate Tribasic Solution (1 g / 5 ml DI) |
| 1 Molar Sodium Sulfite Solution | Sodium Sulfite (crystal)                | Zinc Acetate (crystal)                                   | 1 N Zinc Acetate                                   |
| Sodium Thiosulfate (crystal)    | 10% Sodium Thiosulfate                  | 0.1 N Sodium Thiosulfate                                 | 0.008% Sodium Thiosulfate                          |

NOTES:

a. Solid-top caps feature fluoropolymer resin liners. Open-top caps feature ultrasonically bonded 3.1mm (1/8") fluoropolymer resin/silicone septa.

This "Cleaning Protocol Form" is provided for your records and is used to facilitate any required correspondences as needed.

**Date:** 11/24/2025

**Item Description:** 40mL Clear Vials  
Open-Top Cap, Quality Assured

**Lot Number:** 112425-3BOL QLFV15900034

**VWR Part No.:** 89093-862

**Protocol:** B **Level:** PC

**Chemical Lot No.:** N/A



Chief Executive Officer  
Manufactured for VWR International

**Cleaning Protocol Form**

Validation Statement: The following containers were pre-cleaned according to one of three cleaning protocols listed below:

**Cleaning Protocol A:**

**Note:** Containers used in the analyses of: Metals, (Organics - Extractables BNAs, Pesticides/PCBs, - (Glass only)), Inorganics - Cyanide, Sulfide, Alkalinity, Anions as (Fluoride, Chlorides, Sulfate), Acidity, Hardness, (TOC, Oil & Grease, Phenolics - Glass only)

Protocol A - Glass Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed with 1:1 Nitric acid.
3. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
4. Oven Dried.

Protocol A - Plastic Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

**Cleaning Protocol B:**

**Note:** Containers used in the analysis of Organic - Purgeables (VOCs) and PCB Wipes.

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Oven Dried.

**Cleaning Protocol C:**

**Note:** Containers used in the analyses of: Inorganics - BOD, CBOD, COD, Residues as TSS, TS, TDS, Nitrogen Species (Ammonia, Nitrate, Nitrite)

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

This case is NOT preserved.

Stirbars: Yes  No

Bar-Coded: Yes  No

Tared Weight: Yes  No

**Level: Processed (PC) (X)**

Glassware / Plasticware received full Quality Assurance and Quality Control treatment. Containers, liners, and closures as applicable, are cleaned according to EPA recommended procedures and validated through a third party (NELAP) testing Laboratory. Each case of containers is custody sealed and labeled for traceability by Lot Number. C&G Containers, at its discretion, may change the cleaning protocol process(es) to ensure cleanliness in meeting analyte specifications or other requirements of this product.

**Available Preservatives:**

|                                 |   |  |  |
|---------------------------------|---|--|--|
| Ascorbic Acid (crystal)         | Ammonium Chloride (crystal)             | Deionized Water  | 1:1 Hydrochloric Acid                              |
| Methanol                        | 1:1 Nitric Acid                         | 18.8% - 19.6% Nitric Acid                                | 1:1 Phosphoric Acid                                |
| Potassium Acetate (crystal)     | Potassium Phosphate Monobasic (crystal) | Monochloroacetic Acid/ Potassium Acetate Buffer Solution | 1:1 Sulfuric Acid                                  |
| Sodium Azide (crystal)          | Sodium Bisulfate (crystal)              | Sodium Bisulfate Solution (1 g / 5 ml DI)                | Sodium Phosphate Tribasic (crystal)                |
| 6 N Sodium Hydroxide            | 10 N Sodium Hydroxide                   | 1:1 Sodium Hydroxide                                     | Sodium Phosphate Tribasic Solution (1 g / 5 ml DI) |
| 1 Molar Sodium Sulfite Solution | Sodium Sulfite (crystal)                | Zinc Acetate (crystal)                                   | 1 N Zinc Acetate                                   |
| Sodium Thiosulfate (crystal)    | 10% Sodium Thiosulfate                  | 0.1 N Sodium Thiosulfate                                 | 0.008% Sodium Thiosulfate                          |

NOTES:

a. Solid-top caps feature fluoropolymer resin liners. Open-top caps feature ultrasonically bonded 3.1mm (1/8") fluoropolymer resin/silicone septa.

This "Cleaning Protocol Form" is provided for your records and is used to facilitate any required correspondences as needed.

Date: 11/24/2025

Item Description: 40mL Clear Vials  
Open-Top Cap, Quality Assured

Lot Number: 112425-3BOL QLFV15900034

VWR Part No.: 89093-862

Protocol: B Level: PC

Chemical Lot No.: N/A



Chief Executive Officer  
Manufactured for VWR International

**Cleaning Protocol Form**

Validation Statement: The following containers were pre-cleaned according to one of three cleaning protocols listed below:

**Cleaning Protocol A:**

**Note:** Containers used in the analyses of: Metals, (Organics - Extractables BNAs, Pesticides/PCBs, - (Glass only)), Inorganics - Cyanide, Sulfide, Alkalinity, Anions as (Fluoride, Chlorides, Sulfate), Acidity, Hardness, (TOC, Oil & Grease, Phenolics - Glass only)

Protocol A - Glass Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed with 1:1 Nitric acid.
3. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
4. Oven Dried.

Protocol A - Plastic Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

**Cleaning Protocol B:**

**Note:** Containers used in the analysis of Organic - Purgeables (VOCs) and PCB Wipes.

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Oven Dried.

**Cleaning Protocol C:**

**Note:** Containers used in the analyses of: Inorganics - BOD, CBOD, COD, Residues as TSS, TS, TDS, Nitrogen Species (Ammonia, Nitrate, Nitrite)

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

This case is NOT preserved.

Stirbars: Yes  No

Bar-Coded: Yes  No

Tared Weight: Yes  No

**Level: Processed (PC) (X)**

Glassware / Plasticware received full Quality Assurance and Quality Control treatment. Containers, liners, and closures as applicable, are cleaned according to EPA recommended procedures and validated through a third party (NELAP) testing Laboratory. Each case of containers is custody sealed and labeled for traceability by Lot Number. C&G Containers, at its discretion, may change the cleaning protocol process(es) to ensure cleanliness in meeting analyte specifications or other requirements of this product.

**Available Preservatives:**

|                                 |   |  |  |
|---------------------------------|---|--|--|
| Ascorbic Acid (crystal)         | Ammonium Chloride (crystal)             | Deionized Water  | 1:1 Hydrochloric Acid                              |
| Methanol                        | 1:1 Nitric Acid                         | 18.8% - 19.6% Nitric Acid                                | 1:1 Phosphoric Acid                                |
| Potassium Acetate (crystal)     | Potassium Phosphate Monobasic (crystal) | Monochloroacetic Acid/ Potassium Acetate Buffer Solution | 1:1 Sulfuric Acid                                  |
| Sodium Azide (crystal)          | Sodium Bisulfate (crystal)              | Sodium Bisulfate Solution (1 g / 5 ml DI)                | Sodium Phosphate Tribasic (crystal)                |
| 6 N Sodium Hydroxide            | 10 N Sodium Hydroxide                   | 1:1 Sodium Hydroxide                                     | Sodium Phosphate Tribasic Solution (1 g / 5 ml DI) |
| 1 Molar Sodium Sulfite Solution | Sodium Sulfite (crystal)                | Zinc Acetate (crystal)                                   | 1 N Zinc Acetate                                   |
| Sodium Thiosulfate (crystal)    | 10% Sodium Thiosulfate                  | 0.1 N Sodium Thiosulfate                                 | 0.008% Sodium Thiosulfate                          |

NOTES:

a. Solid-top caps feature fluoropolymer resin liners. Open-top caps feature ultrasonically bonded 3.1mm (1/8") fluoropolymer resin/silicone septa.

This "Cleaning Protocol Form" is provided for your records and is used to facilitate any required correspondences as needed.

Date: 11/24/2025

Item Description: 40mL Clear Vials  
Open-Top Cap, Quality Assured

Lot Number: 112425-3BOL QLFV15900034

VWR Part No.: 89093-862

Protocol: B Level: PC

Chemical Lot No.: N/A



Chief Executive Officer  
Manufactured for VWR International

**Cleaning Protocol Form**

Validation Statement: The following containers were pre-cleaned according to one of three cleaning protocols listed below:

**Cleaning Protocol A:**

**Note:** Containers used in the analyses of: Metals, (Organics - Extractables BNAs, Pesticides/PCBs, - (Glass only)), Inorganics - Cyanide, Sulfide, Alkalinity, Anions as (Fluoride, Chlorides, Sulfate), Acidity, Hardness, (TOC, Oil & Grease, Phenolics - Glass only)

Protocol A - Glass Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed with 1:1 Nitric acid.
3. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
4. Oven Dried.

Protocol A - Plastic Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

**Cleaning Protocol B:**

**Note:** Containers used in the analysis of Organic - Purgeables (VOCs) and PCB Wipes.

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Oven Dried.

**Cleaning Protocol C:**

**Note:** Containers used in the analyses of: Inorganics - BOD, CBOD, COD, Residues as TSS, TS, TDS, Nitrogen Species (Ammonia, Nitrate, Nitrite)

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

This case is NOT preserved.

Stirbars: Yes  No

Bar-Coded: Yes  No

Tared Weight: Yes  No

**Level: Processed (PC) (X)**

Glassware / Plasticware received full Quality Assurance and Quality Control treatment. Containers, liners, and closures as applicable, are cleaned according to EPA recommended procedures and validated through a third party (NELAP) testing Laboratory. Each case of containers is custody sealed and labeled for traceability by Lot Number. C&G Containers, at its discretion, may change the cleaning protocol process(es) to ensure cleanliness in meeting analyte specifications or other requirements of this product.

**Available Preservatives:**

|                                 |   |  |  |
|---------------------------------|---|--|--|
| Ascorbic Acid (crystal)         | Ammonium Chloride (crystal)             | Deionized Water  | 1:1 Hydrochloric Acid                              |
| Methanol                        | 1:1 Nitric Acid                         | 18.8% - 19.6% Nitric Acid                                | 1:1 Phosphoric Acid                                |
| Potassium Acetate (crystal)     | Potassium Phosphate Monobasic (crystal) | Monochloroacetic Acid/ Potassium Acetate Buffer Solution | 1:1 Sulfuric Acid                                  |
| Sodium Azide (crystal)          | Sodium Bisulfate (crystal)              | Sodium Bisulfate Solution (1 g / 5 ml DI)                | Sodium Phosphate Tribasic (crystal)                |
| 6 N Sodium Hydroxide            | 10 N Sodium Hydroxide                   | 1:1 Sodium Hydroxide                                     | Sodium Phosphate Tribasic Solution (1 g / 5 ml DI) |
| 1 Molar Sodium Sulfite Solution | Sodium Sulfite (crystal)                | Zinc Acetate (crystal)                                   | 1 N Zinc Acetate                                   |
| Sodium Thiosulfate (crystal)    | 10% Sodium Thiosulfate                  | 0.1 N Sodium Thiosulfate                                 | 0.008% Sodium Thiosulfate                          |

NOTES:

- Solid-top caps feature fluoropolymer resin liners. Open-top caps feature ultrasonically bonded 3.1mm (1/8") fluoropolymer resin/silicone septa.

This "Cleaning Protocol Form" is provided for your records and is used to facilitate any required correspondences as needed.

Date: 11/24/2025

Item Description: 40mL Clear Vials  
Open-Top Cap, Quality Assured

Lot Number: 112425-3BOL QLFV15900034

VWR Part No.: 89093-862

Protocol: B Level: PC

Chemical Lot No.: N/A



Chief Executive Officer  
Manufactured for VWR International

## Cleaning Protocol Form

Validation Statement: The following containers were pre-cleaned according to one of three cleaning protocols listed below:

### Cleaning Protocol A:

**Note:** Containers used in the analyses of: Metals, (Organics - Extractables BNAs, Pesticides/PCBs, - (Glass only)), Inorganics - Cyanide, Sulfide, Alkalinity, Anions as (Fluoride, Chlorides, Sulfate), Acidity, Hardness, (TOC, Oil & Grease, Phenolics - Glass only)

#### Protocol A - Glass Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed with 1:1 Nitric acid.
3. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
4. Oven Dried.

#### Protocol A - Plastic Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

### Cleaning Protocol B:

**Note:** Containers used in the analysis of Organic - Purgeables (VOCs) and PCB Wipes.

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Oven Dried.

### Cleaning Protocol C:

**Note:** Containers used in the analyses of: Inorganics - BOD, CBOD, COD, Residues as TSS, TS, TDS, Nitrogen Species (Ammonia, Nitrate, Nitrite)

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

This case is NOT preserved.

Stirbars: Yes  No

Bar-Coded: Yes  No

Tared Weight: Yes  No

### Level: Processed (PC) (X)

Glassware / Plasticware received full Quality Assurance and Quality Control treatment. Containers, liners, and closures as applicable, are cleaned according to EPA recommended procedures and validated through a third party (NELAP) testing Laboratory. Each case of containers is custody sealed and labeled for traceability by Lot Number. C&G Containers, at its discretion, may change the cleaning protocol process(es) to ensure cleanliness in meeting analyte specifications or other requirements of this product.

### Available Preservatives:

|                                 |   |  |  |
|---------------------------------|---|--|--|
| Ascorbic Acid (crystal)         | Ammonium Chloride (crystal)             | Deionized Water  | 1:1 Hydrochloric Acid                              |
| Methanol                        | 1:1 Nitric Acid                         | 18.8% - 19.6% Nitric Acid                                | 1:1 Phosphoric Acid                                |
| Potassium Acetate (crystal)     | Potassium Phosphate Monobasic (crystal) | Monochloroacetic Acid/ Potassium Acetate Buffer Solution | 1:1 Sulfuric Acid                                  |
| Sodium Azide (crystal)          | Sodium Bisulfate (crystal)              | Sodium Bisulfate Solution (1 g / 5 ml DI)                | Sodium Phosphate Tribasic (crystal)                |
| 6 N Sodium Hydroxide            | 10 N Sodium Hydroxide                   | 1:1 Sodium Hydroxide                                     | Sodium Phosphate Tribasic Solution (1 g / 5 ml DI) |
| 1 Molar Sodium Sulfite Solution | Sodium Sulfite (crystal)                | Zinc Acetate (crystal)                                   | 1 N Zinc Acetate                                   |
| Sodium Thiosulfate (crystal)    | 10% Sodium Thiosulfate                  | 0.1 N Sodium Thiosulfate                                 | 0.008% Sodium Thiosulfate                          |

#### NOTES:

- Solid-top caps feature fluoropolymer resin liners. Open-top caps feature ultrasonically bonded 3.1mm (1/8") fluoropolymer resin/silicone septa.

This "Cleaning Protocol Form" is provided for your records and is used to facilitate any required correspondences as needed.

Date: 11/24/2025


Item Description: 40mL Clear Vials  
Open-Top Cap, Quality Assured

Lot Number: 112425-3BOL QLFV15900034

VWR Part No.: 89093-862

Protocol: B Level: PC

Chemical Lot No.: N/A

  
Chief Executive Officer  
Manufactured for VWR International

**Cleaning Protocol Form**

Validation Statement: The following containers were pre-cleaned according to one of three cleaning protocols listed below:

**Cleaning Protocol A:**

**Note:** Containers used in the analyses of: Metals, (Organics - Extractables BNAs, Pesticides/PCBs, - (Glass only)), Inorganics - Cyanide, Sulfide, Alkalinity, Anions as (Fluoride, Chlorides, Sulfate), Acidity, Hardness, (TOC, Oil & Grease, Phenolics - Glass only)

Protocol A - Glass Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed with 1:1 Nitric acid.
3. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
4. Oven Dried.

Protocol A - Plastic Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

**Cleaning Protocol B:**

**Note:** Containers used in the analysis of Organic - Purgeables (VOCs) and PCB Wipes.

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Oven Dried.

**Cleaning Protocol C:**

**Note:** Containers used in the analyses of: Inorganics - BOD, CBOD, COD, Residues as TSS, TS, TDS, Nitrogen Species (Ammonia, Nitrate, Nitrite)

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

This case is NOT preserved.

Stirbars: Yes  No

Bar-Coded: Yes  No

Tared Weight: Yes  No

**Level: Processed (PC) (X)**

Glassware / Plasticware received full Quality Assurance and Quality Control treatment. Containers, liners, and closures as applicable, are cleaned according to EPA recommended procedures and validated through a third party (NELAP) testing Laboratory. Each case of containers is custody sealed and labeled for traceability by Lot Number. C&G Containers, at its discretion, may change the cleaning protocol process(es) to ensure cleanliness in meeting analyte specifications or other requirements of this product.

**Available Preservatives:**

|                                 |   |  |  |
|---------------------------------|---|--|--|
| Ascorbic Acid (crystal)         | Ammonium Chloride (crystal)             | Deionized Water  | 1:1 Hydrochloric Acid                              |
| Methanol                        | 1:1 Nitric Acid                         | 18.8% - 19.6% Nitric Acid                                | 1:1 Phosphoric Acid                                |
| Potassium Acetate (crystal)     | Potassium Phosphate Monobasic (crystal) | Monochloroacetic Acid/ Potassium Acetate Buffer Solution | 1:1 Sulfuric Acid                                  |
| Sodium Azide (crystal)          | Sodium Bisulfate (crystal)              | Sodium Bisulfate Solution (1 g / 5 ml DI)                | Sodium Phosphate Tribasic (crystal)                |
| 6 N Sodium Hydroxide            | 10 N Sodium Hydroxide                   | 1:1 Sodium Hydroxide                                     | Sodium Phosphate Tribasic Solution (1 g / 5 ml DI) |
| 1 Molar Sodium Sulfite Solution | Sodium Sulfite (crystal)                | Zinc Acetate (crystal)                                   | 1 N Zinc Acetate                                   |
| Sodium Thiosulfate (crystal)    | 10% Sodium Thiosulfate                  | 0.1 N Sodium Thiosulfate                                 | 0.008% Sodium Thiosulfate                          |

NOTES:

a. Solid-top caps feature fluoropolymer resin liners. Open-top caps feature ultrasonically bonded 3.1mm (1/8") fluoropolymer resin/silicone septa.

This "Cleaning Protocol Form" is provided for your records and is used to facilitate any required correspondences as needed.

**Date:** 11/24/2025

**Item Description:** 40mL Clear Vials  
Open-Top Cap, Quality Assured

**Lot Number:** 112425-3BOL QLFV15900034

**VWR Part No.:** 89093-862

**Protocol:** B **Level:** PC

**Chemical Lot No.:** N/A



Chief Executive Officer  
Manufactured for VWR International

**Cleaning Protocol Form**

Validation Statement: The following containers were pre-cleaned according to one of three cleaning protocols listed below:

**Cleaning Protocol A:**

**Note:** Containers used in the analyses of: Metals, (Organics - Extractables BNAs, Pesticides/PCBs, - (Glass only)), Inorganics - Cyanide, Sulfide, Alkalinity, Anions as (Fluoride, Chlorides, Sulfate), Acidity, Hardness, (TOC, Oil & Grease, Phenolics - Glass only)

Protocol A - Glass Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed with 1:1 Nitric acid.
3. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
4. Oven Dried.

Protocol A - Plastic Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

**Cleaning Protocol B:**

**Note:** Containers used in the analysis of Organic - Purgeables (VOCs) and PCB Wipes.

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Oven Dried.

**Cleaning Protocol C:**

**Note:** Containers used in the analyses of: Inorganics - BOD, CBOD, COD, Residues as TSS, TS, TDS, Nitrogen Species (Ammonia, Nitrate, Nitrite)

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

This case is NOT preserved.

Stirbars: Yes  No

Bar-Coded: Yes  No

Tared Weight: Yes  No

**Level: Processed (PC) (X)**

Glassware / Plasticware received full Quality Assurance and Quality Control treatment. Containers, liners, and closures as applicable, are cleaned according to EPA recommended procedures and validated through a third party (NELAP) testing Laboratory. Each case of containers is custody sealed and labeled for traceability by Lot Number. C&G Containers, at its discretion, may change the cleaning protocol process(es) to ensure cleanliness in meeting analyte specifications or other requirements of this product.

**Available Preservatives:**

|                                 |   |  |  |
|---------------------------------|---|--|--|
| Ascorbic Acid (crystal)         | Ammonium Chloride (crystal)             | Deionized Water  | 1:1 Hydrochloric Acid                              |
| Methanol                        | 1:1 Nitric Acid                         | 18.8% - 19.6% Nitric Acid                                | 1:1 Phosphoric Acid                                |
| Potassium Acetate (crystal)     | Potassium Phosphate Monobasic (crystal) | Monochloroacetic Acid/ Potassium Acetate Buffer Solution | 1:1 Sulfuric Acid                                  |
| Sodium Azide (crystal)          | Sodium Bisulfate (crystal)              | Sodium Bisulfate Solution (1 g / 5 ml DI)                | Sodium Phosphate Tribasic (crystal)                |
| 6 N Sodium Hydroxide            | 10 N Sodium Hydroxide                   | 1:1 Sodium Hydroxide                                     | Sodium Phosphate Tribasic Solution (1 g / 5 ml DI) |
| 1 Molar Sodium Sulfite Solution | Sodium Sulfite (crystal)                | Zinc Acetate (crystal)                                   | 1 N Zinc Acetate                                   |
| Sodium Thiosulfate (crystal)    | 10% Sodium Thiosulfate                  | 0.1 N Sodium Thiosulfate                                 | 0.008% Sodium Thiosulfate                          |

NOTES:

a. Solid-top caps feature fluoropolymer resin liners. Open-top caps feature ultrasonically bonded 3.1mm (1/8") fluoropolymer resin/silicone septa.

This "Cleaning Protocol Form" is provided for your records and is used to facilitate any required correspondences as needed.

**Date:** 11/24/2025

**Item Description:** 40mL Clear Vials  
Open-Top Cap, Quality Assured

**Lot Number:** 112425-3BOL QLFV15900034

**VWR Part No.:** 89093-862

**Protocol:** B **Level:** PC

**Chemical Lot No.:** N/A



Chief Executive Officer  
Manufactured for VWR International

**Cleaning Protocol Form**

Validation Statement: The following containers were pre-cleaned according to one of three cleaning protocols listed below:

**Cleaning Protocol A:**

**Note:** Containers used in the analyses of: Metals, (Organics - Extractables BNAs, Pesticides/PCBs, - (Glass only)), Inorganics - Cyanide, Sulfide, Alkalinity, Anions as (Fluoride, Chlorides, Sulfate), Acidity, Hardness, (TOC, Oil & Grease, Phenolics - Glass only)

Protocol A - Glass Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed with 1:1 Nitric acid.
3. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
4. Oven Dried.

Protocol A - Plastic Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

**Cleaning Protocol B:**

**Note:** Containers used in the analysis of Organic - Purgeables (VOCs) and PCB Wipes.

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Oven Dried.

**Cleaning Protocol C:**

**Note:** Containers used in the analyses of: Inorganics - BOD, CBOD, COD, Residues as TSS, TS, TDS, Nitrogen Species (Ammonia, Nitrate, Nitrite)

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

This case is NOT preserved.

Stirbars: Yes  No

Bar-Coded: Yes  No

Tared Weight: Yes  No

**Level: Processed (PC) (X)**

Glassware / Plasticware received full Quality Assurance and Quality Control treatment. Containers, liners, and closures as applicable, are cleaned according to EPA recommended procedures and validated through a third party (NELAP) testing Laboratory. Each case of containers is custody sealed and labeled for traceability by Lot Number. C&G Containers, at its discretion, may change the cleaning protocol process(es) to ensure cleanliness in meeting analyte specifications or other requirements of this product.

**Available Preservatives:**

|                                 |   |  |  |
|---------------------------------|---|--|--|
| Ascorbic Acid (crystal)         | Ammonium Chloride (crystal)             | Deionized Water  | 1:1 Hydrochloric Acid                              |
| Methanol                        | 1:1 Nitric Acid                         | 18.8% - 19.6% Nitric Acid                                | 1:1 Phosphoric Acid                                |
| Potassium Acetate (crystal)     | Potassium Phosphate Monobasic (crystal) | Monochloroacetic Acid/ Potassium Acetate Buffer Solution | 1:1 Sulfuric Acid                                  |
| Sodium Azide (crystal)          | Sodium Bisulfate (crystal)              | Sodium Bisulfate Solution (1 g / 5 ml DI)                | Sodium Phosphate Tribasic (crystal)                |
| 6 N Sodium Hydroxide            | 10 N Sodium Hydroxide                   | 1:1 Sodium Hydroxide                                     | Sodium Phosphate Tribasic Solution (1 g / 5 ml DI) |
| 1 Molar Sodium Sulfite Solution | Sodium Sulfite (crystal)                | Zinc Acetate (crystal)                                   | 1 N Zinc Acetate                                   |
| Sodium Thiosulfate (crystal)    | 10% Sodium Thiosulfate                  | 0.1 N Sodium Thiosulfate                                 | 0.008% Sodium Thiosulfate                          |

NOTES:

a. Solid-top caps feature fluoropolymer resin liners. Open-top caps feature ultrasonically bonded 3.1mm (1/8") fluoropolymer resin/silicone septa.

This "Cleaning Protocol Form" is provided for your records and is used to facilitate any required correspondences as needed.

**Date:** 11/24/2025

**Item Description:** 40mL Clear Vials  
Open-Top Cap, Quality Assured

**Lot Number:** 112425-3BOL QLFV15900034

**VWR Part No.:** 89093-862

**Protocol:** B **Level:** PC

**Chemical Lot No.:** N/A



Chief Executive Officer  
Manufactured for VWR International

**Cleaning Protocol Form**

Validation Statement: The following containers were pre-cleaned according to one of three cleaning protocols listed below:

**Cleaning Protocol A:**

**Note:** Containers used in the analyses of: Metals, (Organics - Extractables BNAs, Pesticides/PCBs, - (Glass only)), Inorganics - Cyanide, Sulfide, Alkalinity, Anions as (Fluoride, Chlorides, Sulfate), Acidity, Hardness, (TOC, Oil & Grease, Phenolics - Glass only)

Protocol A - Glass Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed with 1:1 Nitric acid.
3. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
4. Oven Dried.

Protocol A - Plastic Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

**Cleaning Protocol B:**

**Note:** Containers used in the analysis of Organic - Purgeables (VOCs) and PCB Wipes.

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Oven Dried.

**Cleaning Protocol C:**

**Note:** Containers used in the analyses of: Inorganics - BOD, CBOD, COD, Residues as TSS, TS, TDS, Nitrogen Species (Ammonia, Nitrate, Nitrite)

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

This case is NOT preserved.

Stirbars: Yes  No

Bar-Coded: Yes  No

Tared Weight: Yes  No

**Level: Processed (PC) (X)**

Glassware / Plasticware received full Quality Assurance and Quality Control treatment. Containers, liners, and closures as applicable, are cleaned according to EPA recommended procedures and validated through a third party (NELAP) testing Laboratory. Each case of containers is custody sealed and labeled for traceability by Lot Number. C&G Containers, at its discretion, may change the cleaning protocol process(es) to ensure cleanliness in meeting analyte specifications or other requirements of this product.

**Available Preservatives:**

|                                 |   |  |  |
|---------------------------------|---|--|--|
| Ascorbic Acid (crystal)         | Ammonium Chloride (crystal)             | Deionized Water  | 1:1 Hydrochloric Acid                              |
| Methanol                        | 1:1 Nitric Acid                         | 18.8% - 19.6% Nitric Acid                                | 1:1 Phosphoric Acid                                |
| Potassium Acetate (crystal)     | Potassium Phosphate Monobasic (crystal) | Monochloroacetic Acid/ Potassium Acetate Buffer Solution | 1:1 Sulfuric Acid                                  |
| Sodium Azide (crystal)          | Sodium Bisulfate (crystal)              | Sodium Bisulfate Solution (1 g / 5 ml DI)                | Sodium Phosphate Tribasic (crystal)                |
| 6 N Sodium Hydroxide            | 10 N Sodium Hydroxide                   | 1:1 Sodium Hydroxide                                     | Sodium Phosphate Tribasic Solution (1 g / 5 ml DI) |
| 1 Molar Sodium Sulfite Solution | Sodium Sulfite (crystal)                | Zinc Acetate (crystal)                                   | 1 N Zinc Acetate                                   |
| Sodium Thiosulfate (crystal)    | 10% Sodium Thiosulfate                  | 0.1 N Sodium Thiosulfate                                 | 0.008% Sodium Thiosulfate                          |

NOTES:

- Solid-top caps feature fluoropolymer resin liners. Open-top caps feature ultrasonically bonded 3.1mm (1/8") fluoropolymer resin/silicone septa.

This "Cleaning Protocol Form" is provided for your records and is used to facilitate any required correspondences as needed.

Date: 11/24/2025

Item Description: 40mL Clear Vials  
Open-Top Cap, Quality Assured

Lot Number: 112425-3BOL QLFV15900034

VWR Part No.: 89093-862

Protocol: B Level: PC

Chemical Lot No.: N/A



Chief Executive Officer  
Manufactured for VWR International

**Cleaning Protocol Form**

Validation Statement: The following containers were pre-cleaned according to one of three cleaning protocols listed below:

**Cleaning Protocol A:**

**Note:** Containers used in the analyses of: Metals, (Organics - Extractables BNAs, Pesticides/PCBs, - (Glass only)), Inorganics - Cyanide, Sulfide, Alkalinity, Anions as (Fluoride, Chlorides, Sulfate), Acidity, Hardness, (TOC, Oil & Grease, Phenolics - Glass only)

Protocol A - Glass Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed with 1:1 Nitric acid.
3. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
4. Oven Dried.

Protocol A - Plastic Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

**Cleaning Protocol B:**

**Note:** Containers used in the analysis of Organic - Purgeables (VOCs) and PCB Wipes.

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Oven Dried.

**Cleaning Protocol C:**

**Note:** Containers used in the analyses of: Inorganics - BOD, CBOD, COD, Residues as TSS, TS, TDS, Nitrogen Species (Ammonia, Nitrate, Nitrite)

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

This case is NOT preserved.

Stirbars: Yes  No

Bar-Coded: Yes  No

Tared Weight: Yes  No

**Level: Processed (PC) (X)**

Glassware / Plasticware received full Quality Assurance and Quality Control treatment. Containers, liners, and closures as applicable, are cleaned according to EPA recommended procedures and validated through a third party (NELAP) testing Laboratory. Each case of containers is custody sealed and labeled for traceability by Lot Number. C&G Containers, at its discretion, may change the cleaning protocol process(es) to ensure cleanliness in meeting analyte specifications or other requirements of this product.

**Available Preservatives:**

|                                 |   |  |  |
|---------------------------------|---|--|--|
| Ascorbic Acid (crystal)         | Ammonium Chloride (crystal)             | Deionized Water  | 1:1 Hydrochloric Acid                              |
| Methanol                        | 1:1 Nitric Acid                         | 18.8% - 19.6% Nitric Acid                                | 1:1 Phosphoric Acid                                |
| Potassium Acetate (crystal)     | Potassium Phosphate Monobasic (crystal) | Monochloroacetic Acid/ Potassium Acetate Buffer Solution | 1:1 Sulfuric Acid                                  |
| Sodium Azide (crystal)          | Sodium Bisulfate (crystal)              | Sodium Bisulfate Solution (1 g / 5 ml DI)                | Sodium Phosphate Tribasic (crystal)                |
| 6 N Sodium Hydroxide            | 10 N Sodium Hydroxide                   | 1:1 Sodium Hydroxide                                     | Sodium Phosphate Tribasic Solution (1 g / 5 ml DI) |
| 1 Molar Sodium Sulfite Solution | Sodium Sulfite (crystal)                | Zinc Acetate (crystal)                                   | 1 N Zinc Acetate                                   |
| Sodium Thiosulfate (crystal)    | 10% Sodium Thiosulfate                  | 0.1 N Sodium Thiosulfate                                 | 0.008% Sodium Thiosulfate                          |

NOTES:

a. Solid-top caps feature fluoropolymer resin liners. Open-top caps feature ultrasonically bonded 3.1mm (1/8") fluoropolymer resin/silicone septa.

This "Cleaning Protocol Form" is provided for your records and is used to facilitate any required correspondences as needed.

Date: 11/24/2025

Item Description: 40mL Clear Vials  
Open-Top Cap, Quality Assured

Lot Number: 112425-3BOL QLFV15900034

VWR Part No.: 89093-862

Protocol: B Level: PC

Chemical Lot No.: N/A



Chief Executive Officer  
Manufactured for VWR International

**Cleaning Protocol Form**

Validation Statement: The following containers were pre-cleaned according to one of three cleaning protocols listed below:

**Cleaning Protocol A:**

**Note:** Containers used in the analyses of: Metals, (Organics - Extractables BNAs, Pesticides/PCBs, - (Glass only)), Inorganics - Cyanide, Sulfide, Alkalinity, Anions as (Fluoride, Chlorides, Sulfate), Acidity, Hardness, (TOC, Oil & Grease, Phenolics - Glass only)

Protocol A - Glass Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed with 1:1 Nitric acid.
3. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
4. Oven Dried.

Protocol A - Plastic Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

**Cleaning Protocol B:**

**Note:** Containers used in the analysis of Organic - Purgeables (VOCs) and PCB Wipes.

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Oven Dried.

**Cleaning Protocol C:**

**Note:** Containers used in the analyses of: Inorganics - BOD, CBOD, COD, Residues as TSS, TS, TDS, Nitrogen Species (Ammonia, Nitrate, Nitrite)

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

This case is NOT preserved.

Stirbars: Yes  No

Bar-Coded: Yes  No

Tared Weight: Yes  No

**Level: Processed (PC) (X)**

Glassware / Plasticware received full Quality Assurance and Quality Control treatment. Containers, liners, and closures as applicable, are cleaned according to EPA recommended procedures and validated through a third party (NELAP) testing Laboratory. Each case of containers is custody sealed and labeled for traceability by Lot Number. C&G Containers, at its discretion, may change the cleaning protocol process(es) to ensure cleanliness in meeting analyte specifications or other requirements of this product.

**Available Preservatives:**

|                                 |   |  |  |
|---------------------------------|---|--|--|
| Ascorbic Acid (crystal)         | Ammonium Chloride (crystal)             | Deionized Water  | 1:1 Hydrochloric Acid                              |
| Methanol                        | 1:1 Nitric Acid                         | 18.8% - 19.6% Nitric Acid                                | 1:1 Phosphoric Acid                                |
| Potassium Acetate (crystal)     | Potassium Phosphate Monobasic (crystal) | Monochloroacetic Acid/ Potassium Acetate Buffer Solution | 1:1 Sulfuric Acid                                  |
| Sodium Azide (crystal)          | Sodium Bisulfate (crystal)              | Sodium Bisulfate Solution (1 g / 5 ml DI)                | Sodium Phosphate Tribasic (crystal)                |
| 6 N Sodium Hydroxide            | 10 N Sodium Hydroxide                   | 1:1 Sodium Hydroxide                                     | Sodium Phosphate Tribasic Solution (1 g / 5 ml DI) |
| 1 Molar Sodium Sulfite Solution | Sodium Sulfite (crystal)                | Zinc Acetate (crystal)                                   | 1 N Zinc Acetate                                   |
| Sodium Thiosulfate (crystal)    | 10% Sodium Thiosulfate                  | 0.1 N Sodium Thiosulfate                                 | 0.008% Sodium Thiosulfate                          |

NOTES:

- Solid-top caps feature fluoropolymer resin liners. Open-top caps feature ultrasonically bonded 3.1mm (1/8") fluoropolymer resin/silicone septa.

This "Cleaning Protocol Form" is provided for your records and is used to facilitate any required correspondences as needed.

Date: 11/24/2025

Item Description: 40mL Clear Vials  
Open-Top Cap, Quality Assured

Lot Number: 112425-3BOL QLFV15900034

VWR Part No.: 89093-862

Protocol: B Level: PC

Chemical Lot No.: N/A



Chief Executive Officer  
Manufactured for VWR International

**Cleaning Protocol Form**

Validation Statement: The following containers were pre-cleaned according to one of three cleaning protocols listed below:

**Cleaning Protocol A:**

**Note:** Containers used in the analyses of: Metals, (Organics - Extractables BNAs, Pesticides/PCBs, - (Glass only)), Inorganics - Cyanide, Sulfide, Alkalinity, Anions as (Fluoride, Chlorides, Sulfate), Acidity, Hardness, (TOC, Oil & Grease, Phenolics - Glass only)

Protocol A - Glass Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed with 1:1 Nitric acid.
3. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
4. Oven Dried.

Protocol A - Plastic Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

**Cleaning Protocol B:**

**Note:** Containers used in the analysis of Organic - Purgeables (VOCs) and PCB Wipes.

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Oven Dried.

**Cleaning Protocol C:**

**Note:** Containers used in the analyses of: Inorganics - BOD, CBOD, COD, Residues as TSS, TS, TDS, Nitrogen Species (Ammonia, Nitrate, Nitrite)

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

This case is NOT preserved.

Stirbars: Yes  No

Bar-Coded: Yes  No

Tared Weight: Yes  No

**Level: Processed (PC) (X)**

Glassware / Plasticware received full Quality Assurance and Quality Control treatment. Containers, liners, and closures as applicable, are cleaned according to EPA recommended procedures and validated through a third party (NELAP) testing Laboratory. Each case of containers is custody sealed and labeled for traceability by Lot Number. C&G Containers, at its discretion, may change the cleaning protocol process(es) to ensure cleanliness in meeting analyte specifications or other requirements of this product.

**Available Preservatives:**

|                                 |   |  |  |
|---------------------------------|---|--|--|
| Ascorbic Acid (crystal)         | Ammonium Chloride (crystal)             | Deionized Water  | 1:1 Hydrochloric Acid                              |
| Methanol                        | 1:1 Nitric Acid                         | 18.8% - 19.6% Nitric Acid                                | 1:1 Phosphoric Acid                                |
| Potassium Acetate (crystal)     | Potassium Phosphate Monobasic (crystal) | Monochloroacetic Acid/ Potassium Acetate Buffer Solution | 1:1 Sulfuric Acid                                  |
| Sodium Azide (crystal)          | Sodium Bisulfate (crystal)              | Sodium Bisulfate Solution (1 g / 5 ml DI)                | Sodium Phosphate Tribasic (crystal)                |
| 6 N Sodium Hydroxide            | 10 N Sodium Hydroxide                   | 1:1 Sodium Hydroxide                                     | Sodium Phosphate Tribasic Solution (1 g / 5 ml DI) |
| 1 Molar Sodium Sulfite Solution | Sodium Sulfite (crystal)                | Zinc Acetate (crystal)                                   | 1 N Zinc Acetate                                   |
| Sodium Thiosulfate (crystal)    | 10% Sodium Thiosulfate                  | 0.1 N Sodium Thiosulfate                                 | 0.008% Sodium Thiosulfate                          |

NOTES:

- Solid-top caps feature fluoropolymer resin liners. Open-top caps feature ultrasonically bonded 3.1mm (1/8") fluoropolymer resin/silicone septa.

This "Cleaning Protocol Form" is provided for your records and is used to facilitate any required correspondences as needed.

Date: 11/24/2025

Item Description: 40mL Clear Vials  
Open-Top Cap, Quality Assured

Lot Number: 112425-3BOL QLFV15900034

VWR Part No.: 89093-862

Protocol: B Level: PC

Chemical Lot No.: N/A



Chief Executive Officer  
Manufactured for VWR International

**Cleaning Protocol Form**

Validation Statement: The following containers were pre-cleaned according to one of three cleaning protocols listed below:

**Cleaning Protocol A:**

**Note:** Containers used in the analyses of: Metals, (Organics - Extractables BNAs, Pesticides/PCBs, - (Glass only)), Inorganics - Cyanide, Sulfide, Alkalinity, Anions as (Fluoride, Chlorides, Sulfate), Acidity, Hardness, (TOC, Oil & Grease, Phenolics - Glass only)

Protocol A - Glass Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed with 1:1 Nitric acid.
3. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
4. Oven Dried.

Protocol A - Plastic Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

**Cleaning Protocol B:**

**Note:** Containers used in the analysis of Organic - Purgeables (VOCs) and PCB Wipes.

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Oven Dried.

**Cleaning Protocol C:**

**Note:** Containers used in the analyses of: Inorganics - BOD, CBOD, COD, Residues as TSS, TS, TDS, Nitrogen Species (Ammonia, Nitrate, Nitrite)

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

This case is NOT preserved.

Stirbars: Yes  No

Bar-Coded: Yes  No

Tared Weight: Yes  No

**Level: Processed (PC) (X)**

Glassware / Plasticware received full Quality Assurance and Quality Control treatment. Containers, liners, and closures as applicable, are cleaned according to EPA recommended procedures and validated through a third party (NELAP) testing Laboratory. Each case of containers is custody sealed and labeled for traceability by Lot Number. C&G Containers, at its discretion, may change the cleaning protocol process(es) to ensure cleanliness in meeting analyte specifications or other requirements of this product.

**Available Preservatives:**

|                                 |   |  |  |
|---------------------------------|---|--|--|
| Ascorbic Acid (crystal)         | Ammonium Chloride (crystal)             | Deionized Water  | 1:1 Hydrochloric Acid                              |
| Methanol                        | 1:1 Nitric Acid                         | 18.8% - 19.6% Nitric Acid                                | 1:1 Phosphoric Acid                                |
| Potassium Acetate (crystal)     | Potassium Phosphate Monobasic (crystal) | Monochloroacetic Acid/ Potassium Acetate Buffer Solution | 1:1 Sulfuric Acid                                  |
| Sodium Azide (crystal)          | Sodium Bisulfate (crystal)              | Sodium Bisulfate Solution (1 g / 5 ml DI)                | Sodium Phosphate Tribasic (crystal)                |
| 6 N Sodium Hydroxide            | 10 N Sodium Hydroxide                   | 1:1 Sodium Hydroxide                                     | Sodium Phosphate Tribasic Solution (1 g / 5 ml DI) |
| 1 Molar Sodium Sulfite Solution | Sodium Sulfite (crystal)                | Zinc Acetate (crystal)                                   | 1 N Zinc Acetate                                   |
| Sodium Thiosulfate (crystal)    | 10% Sodium Thiosulfate                  | 0.1 N Sodium Thiosulfate                                 | 0.008% Sodium Thiosulfate                          |

NOTES:

- Solid-top caps feature fluoropolymer resin liners. Open-top caps feature ultrasonically bonded 3.1mm (1/8") fluoropolymer resin/silicone septa.

This "Cleaning Protocol Form" is provided for your records and is used to facilitate any required correspondences as needed.

Date: 11/24/2025

Item Description: 40mL Clear Vials  
Open-Top Cap, Quality Assured

Lot Number: 112425-3BOL QLFV15900034

VWR Part No.: 89093-862

Protocol: B Level: PC

Chemical Lot No.: N/A



Chief Executive Officer  
Manufactured for VWR International

## Cleaning Protocol Form

Validation Statement: The following containers were pre-cleaned according to one of three cleaning protocols listed below:

### Cleaning Protocol A:

**Note:** Containers used in the analyses of: Metals, (Organics - Extractables BNAs, Pesticides/PCBs, - (Glass only)), Inorganics - Cyanide, Sulfide, Alkalinity, Anions as (Fluoride, Chlorides, Sulfate), Acidity, Hardness, (TOC, Oil & Grease, Phenolics - Glass only)

#### Protocol A - Glass Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed with 1:1 Nitric acid.
3. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
4. Oven Dried.

#### Protocol A - Plastic Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

### Cleaning Protocol B:

**Note:** Containers used in the analysis of Organic - Purgeables (VOCs) and PCB Wipes.

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Oven Dried.

### Cleaning Protocol C:

**Note:** Containers used in the analyses of: Inorganics - BOD, CBOD, COD, Residues as TSS, TS, TDS, Nitrogen Species (Ammonia, Nitrate, Nitrite)

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

This case is NOT preserved.

Stirbars: Yes  No

Bar-Coded: Yes  No

Tared Weight: Yes  No

### Level: Processed (PC) (X)

Glassware / Plasticware received full Quality Assurance and Quality Control treatment. Containers, liners, and closures as applicable, are cleaned according to EPA recommended procedures and validated through a third party (NELAP) testing Laboratory. Each case of containers is custody sealed and labeled for traceability by Lot Number. C&G Containers, at its discretion, may change the cleaning protocol process(es) to ensure cleanliness in meeting analyte specifications or other requirements of this product.

### Available Preservatives:

|                                 |   |  |  |
|---------------------------------|---|--|--|
| Ascorbic Acid (crystal)         | Ammonium Chloride (crystal)             | Deionized Water  | 1:1 Hydrochloric Acid                              |
| Methanol                        | 1:1 Nitric Acid                         | 18.8% - 19.6% Nitric Acid                                | 1:1 Phosphoric Acid                                |
| Potassium Acetate (crystal)     | Potassium Phosphate Monobasic (crystal) | Monochloroacetic Acid/ Potassium Acetate Buffer Solution | 1:1 Sulfuric Acid                                  |
| Sodium Azide (crystal)          | Sodium Bisulfate (crystal)              | Sodium Bisulfate Solution (1 g / 5 ml DI)                | Sodium Phosphate Tribasic (crystal)                |
| 6 N Sodium Hydroxide            | 10 N Sodium Hydroxide                   | 1:1 Sodium Hydroxide                                     | Sodium Phosphate Tribasic Solution (1 g / 5 ml DI) |
| 1 Molar Sodium Sulfite Solution | Sodium Sulfite (crystal)                | Zinc Acetate (crystal)                                   | 1 N Zinc Acetate                                   |
| Sodium Thiosulfate (crystal)    | 10% Sodium Thiosulfate                  | 0.1 N Sodium Thiosulfate                                 | 0.008% Sodium Thiosulfate                          |

#### NOTES:

- Solid-top caps feature fluoropolymer resin liners. Open-top caps feature ultrasonically bonded 3.1mm (1/8") fluoropolymer resin/silicone septa.

This "Cleaning Protocol Form" is provided for your records and is used to facilitate any required correspondences as needed.

Date: 11/24/2025

Item Description: 40mL Clear Vials  
Open-Top Cap, Quality Assured

Lot Number: 112425-3BOL QLFV15900034

VWR Part No.: 89093-862

Protocol: B Level: PC

Chemical Lot No.: N/A



Chief Executive Officer  
Manufactured for VWR International

**Cleaning Protocol Form**

Validation Statement: The following containers were pre-cleaned according to one of three cleaning protocols listed below:

**Cleaning Protocol A:**

**Note:** Containers used in the analyses of: Metals, (Organics - Extractables BNAs, Pesticides/PCBs, - (Glass only)), Inorganics - Cyanide, Sulfide, Alkalinity, Anions as (Fluoride, Chlorides, Sulfate), Acidity, Hardness, (TOC, Oil & Grease, Phenolics - Glass only)

Protocol A - Glass Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed with 1:1 Nitric acid.
3. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
4. Oven Dried.

Protocol A - Plastic Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

**Cleaning Protocol B:**

**Note:** Containers used in the analysis of Organic - Purgeables (VOCs) and PCB Wipes.

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Oven Dried.

**Cleaning Protocol C:**

**Note:** Containers used in the analyses of: Inorganics - BOD, CBOD, COD, Residues as TSS, TS, TDS, Nitrogen Species (Ammonia, Nitrate, Nitrite)

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

This case is NOT preserved.

Stirbars: Yes  No

Bar-Coded: Yes  No

Tared Weight: Yes  No

**Level: Processed (PC) (X)**

Glassware / Plasticware received full Quality Assurance and Quality Control treatment. Containers, liners, and closures as applicable, are cleaned according to EPA recommended procedures and validated through a third party (NELAP) testing Laboratory. Each case of containers is custody sealed and labeled for traceability by Lot Number. C&G Containers, at its discretion, may change the cleaning protocol process(es) to ensure cleanliness in meeting analyte specifications or other requirements of this product.

**Available Preservatives:**

|                                 |   |  |  |
|---------------------------------|---|--|--|
| Ascorbic Acid (crystal)         | Ammonium Chloride (crystal)             | Deionized Water  | 1:1 Hydrochloric Acid                              |
| Methanol                        | 1:1 Nitric Acid                         | 18.8% - 19.6% Nitric Acid                                | 1:1 Phosphoric Acid                                |
| Potassium Acetate (crystal)     | Potassium Phosphate Monobasic (crystal) | Monochloroacetic Acid/ Potassium Acetate Buffer Solution | 1:1 Sulfuric Acid                                  |
| Sodium Azide (crystal)          | Sodium Bisulfate (crystal)              | Sodium Bisulfate Solution (1 g / 5 ml DI)                | Sodium Phosphate Tribasic (crystal)                |
| 6 N Sodium Hydroxide            | 10 N Sodium Hydroxide                   | 1:1 Sodium Hydroxide                                     | Sodium Phosphate Tribasic Solution (1 g / 5 ml DI) |
| 1 Molar Sodium Sulfite Solution | Sodium Sulfite (crystal)                | Zinc Acetate (crystal)                                   | 1 N Zinc Acetate                                   |
| Sodium Thiosulfate (crystal)    | 10% Sodium Thiosulfate                  | 0.1 N Sodium Thiosulfate                                 | 0.008% Sodium Thiosulfate                          |

NOTES:

a. Solid-top caps feature fluoropolymer resin liners. Open-top caps feature ultrasonically bonded 3.1mm (1/8") fluoropolymer resin/silicone septa.

This "Cleaning Protocol Form" is provided for your records and is used to facilitate any required correspondences as needed.

Date: 11/24/2025

Item Description: 40mL Clear Vials  
Open-Top Cap, Quality Assured

Lot Number: 112425-3BOL QLFV15900034

VWR Part No.: 89093-862

Protocol: B Level: PC

Chemical Lot No.: N/A



Chief Executive Officer  
Manufactured for VWR International

**Cleaning Protocol Form**

Validation Statement: The following containers were pre-cleaned according to one of three cleaning protocols listed below:

**Cleaning Protocol A:**

**Note:** Containers used in the analyses of: Metals, (Organics - Extractables BNAs, Pesticides/PCBs, - (Glass only)), Inorganics - Cyanide, Sulfide, Alkalinity, Anions as (Fluoride, Chlorides, Sulfate), Acidity, Hardness, (TOC, Oil & Grease, Phenolics - Glass only)

Protocol A - Glass Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed with 1:1 Nitric acid.
3. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
4. Oven Dried.

Protocol A - Plastic Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

**Cleaning Protocol B:**

**Note:** Containers used in the analysis of Organic - Purgeables (VOCs) and PCB Wipes.

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Oven Dried.

**Cleaning Protocol C:**

**Note:** Containers used in the analyses of: Inorganics - BOD, CBOD, COD, Residues as TSS, TS, TDS, Nitrogen Species (Ammonia, Nitrate, Nitrite)

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

This case is NOT preserved.

Stirbars: Yes  No

Bar-Coded: Yes  No

Tared Weight: Yes  No

**Level: Processed (PC) (X)**

Glassware / Plasticware received full Quality Assurance and Quality Control treatment. Containers, liners, and closures as applicable, are cleaned according to EPA recommended procedures and validated through a third party (NELAP) testing Laboratory. Each case of containers is custody sealed and labeled for traceability by Lot Number. C&G Containers, at its discretion, may change the cleaning protocol process(es) to ensure cleanliness in meeting analyte specifications or other requirements of this product.

**Available Preservatives:**

|                                 |   |  |  |
|---------------------------------|---|--|--|
| Ascorbic Acid (crystal)         | Ammonium Chloride (crystal)             | Deionized Water  | 1:1 Hydrochloric Acid                              |
| Methanol                        | 1:1 Nitric Acid                         | 18.8% - 19.6% Nitric Acid                                | 1:1 Phosphoric Acid                                |
| Potassium Acetate (crystal)     | Potassium Phosphate Monobasic (crystal) | Monochloroacetic Acid/ Potassium Acetate Buffer Solution | 1:1 Sulfuric Acid                                  |
| Sodium Azide (crystal)          | Sodium Bisulfate (crystal)              | Sodium Bisulfate Solution (1 g / 5 ml DI)                | Sodium Phosphate Tribasic (crystal)                |
| 6 N Sodium Hydroxide            | 10 N Sodium Hydroxide                   | 1:1 Sodium Hydroxide                                     | Sodium Phosphate Tribasic Solution (1 g / 5 ml DI) |
| 1 Molar Sodium Sulfite Solution | Sodium Sulfite (crystal)                | Zinc Acetate (crystal)                                   | 1 N Zinc Acetate                                   |
| Sodium Thiosulfate (crystal)    | 10% Sodium Thiosulfate                  | 0.1 N Sodium Thiosulfate                                 | 0.008% Sodium Thiosulfate                          |

NOTES:

a. Solid-top caps feature fluoropolymer resin liners. Open-top caps feature ultrasonically bonded 3.1mm (1/8") fluoropolymer resin/silicone septa.

This "Cleaning Protocol Form" is provided for your records and is used to facilitate any required correspondences as needed.

Date: 11/24/2025

Item Description: 40mL Clear Vials  
Open-Top Cap, Quality Assured

Lot Number: 112425-3BOL QLFV15900034

VWR Part No.: 89093-862

Protocol: B Level: PC

Chemical Lot No.: N/A



Chief Executive Officer  
Manufactured for VWR International

**Cleaning Protocol Form**

Validation Statement: The following containers were pre-cleaned according to one of three cleaning protocols listed below:

**Cleaning Protocol A:**

**Note:** Containers used in the analyses of: Metals, (Organics - Extractables BNAs, Pesticides/PCBs, - (Glass only)), Inorganics - Cyanide, Sulfide, Alkalinity, Anions as (Fluoride, Chlorides, Sulfate), Acidity, Hardness, (TOC, Oil & Grease, Phenolics - Glass only)

Protocol A - Glass Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed with 1:1 Nitric acid.
3. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
4. Oven Dried.

Protocol A - Plastic Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

**Cleaning Protocol B:**

**Note:** Containers used in the analysis of Organic - Purgeables (VOCs) and PCB Wipes.

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Oven Dried.

**Cleaning Protocol C:**

**Note:** Containers used in the analyses of: Inorganics - BOD, CBOD, COD, Residues as TSS, TS, TDS, Nitrogen Species (Ammonia, Nitrate, Nitrite)

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

This case is NOT preserved.

Stirbars: Yes  No

Bar-Coded: Yes  No

Tared Weight: Yes  No

**Level: Processed (PC) (X)**

Glassware / Plasticware received full Quality Assurance and Quality Control treatment. Containers, liners, and closures as applicable, are cleaned according to EPA recommended procedures and validated through a third party (NELAP) testing Laboratory. Each case of containers is custody sealed and labeled for traceability by Lot Number. C&G Containers, at its discretion, may change the cleaning protocol process(es) to ensure cleanliness in meeting analyte specifications or other requirements of this product.

**Available Preservatives:**

|                                 |   |  |  |
|---------------------------------|---|--|--|
| Ascorbic Acid (crystal)         | Ammonium Chloride (crystal)             | Deionized Water  | 1:1 Hydrochloric Acid                              |
| Methanol                        | 1:1 Nitric Acid                         | 18.8% - 19.6% Nitric Acid                                | 1:1 Phosphoric Acid                                |
| Potassium Acetate (crystal)     | Potassium Phosphate Monobasic (crystal) | Monochloroacetic Acid/ Potassium Acetate Buffer Solution | 1:1 Sulfuric Acid                                  |
| Sodium Azide (crystal)          | Sodium Bisulfate (crystal)              | Sodium Bisulfate Solution (1 g / 5 ml DI)                | Sodium Phosphate Tribasic (crystal)                |
| 6 N Sodium Hydroxide            | 10 N Sodium Hydroxide                   | 1:1 Sodium Hydroxide                                     | Sodium Phosphate Tribasic Solution (1 g / 5 ml DI) |
| 1 Molar Sodium Sulfite Solution | Sodium Sulfite (crystal)                | Zinc Acetate (crystal)                                   | 1 N Zinc Acetate                                   |
| Sodium Thiosulfate (crystal)    | 10% Sodium Thiosulfate                  | 0.1 N Sodium Thiosulfate                                 | 0.008% Sodium Thiosulfate                          |

NOTES:

- Solid-top caps feature fluoropolymer resin liners. Open-top caps feature ultrasonically bonded 3.1mm (1/8") fluoropolymer resin/silicone septa.

This "Cleaning Protocol Form" is provided for your records and is used to facilitate any required correspondences as needed.

Date: 11/24/2025

Item Description: 40mL Clear Vials  
Open-Top Cap, Quality Assured

Lot Number: 112425-3BOL QLFV15900034

VWR Part No.: 89093-862

Protocol: B Level: PC

Chemical Lot No.: N/A



Chief Executive Officer  
Manufactured for VWR International

## Cleaning Protocol Form

Validation Statement: The following containers were pre-cleaned according to one of three cleaning protocols listed below:

### Cleaning Protocol A:

**Note:** Containers used in the analyses of: Metals, (Organics - Extractables BNAs, Pesticides/PCBs, - (Glass only)), Inorganics - Cyanide, Sulfide, Alkalinity, Anions as (Fluoride, Chlorides, Sulfate), Acidity, Hardness, (TOC, Oil & Grease, Phenolics - Glass only)

#### Protocol A - Glass Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed with 1:1 Nitric acid.
3. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
4. Oven Dried.

#### Protocol A - Plastic Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

### Cleaning Protocol B:

**Note:** Containers used in the analysis of Organic - Purgeables (VOCs) and PCB Wipes.

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Oven Dried.

### Cleaning Protocol C:

**Note:** Containers used in the analyses of: Inorganics - BOD, CBOD, COD, Residues as TSS, TS, TDS, Nitrogen Species (Ammonia, Nitrate, Nitrite)

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

This case is NOT preserved.

Stirbars: Yes  No

Bar-Coded: Yes  No

Tared Weight: Yes  No

### Level: Processed (PC) (X)

Glassware / Plasticware received full Quality Assurance and Quality Control treatment. Containers, liners, and closures as applicable, are cleaned according to EPA recommended procedures and validated through a third party (NELAP) testing Laboratory. Each case of containers is custody sealed and labeled for traceability by Lot Number. C&G Containers, at its discretion, may change the cleaning protocol process(es) to ensure cleanliness in meeting analyte specifications or other requirements of this product.

### Available Preservatives:

|                                 |   |  |  |
|---------------------------------|---|--|--|
| Ascorbic Acid (crystal)         | Ammonium Chloride (crystal)             | Deionized Water  | 1:1 Hydrochloric Acid                              |
| Methanol                        | 1:1 Nitric Acid                         | 18.8% - 19.6% Nitric Acid                                | 1:1 Phosphoric Acid                                |
| Potassium Acetate (crystal)     | Potassium Phosphate Monobasic (crystal) | Monochloroacetic Acid/ Potassium Acetate Buffer Solution | 1:1 Sulfuric Acid                                  |
| Sodium Azide (crystal)          | Sodium Bisulfate (crystal)              | Sodium Bisulfate Solution (1 g / 5 ml DI)                | Sodium Phosphate Tribasic (crystal)                |
| 6 N Sodium Hydroxide            | 10 N Sodium Hydroxide                   | 1:1 Sodium Hydroxide                                     | Sodium Phosphate Tribasic Solution (1 g / 5 ml DI) |
| 1 Molar Sodium Sulfite Solution | Sodium Sulfite (crystal)                | Zinc Acetate (crystal)                                   | 1 N Zinc Acetate                                   |
| Sodium Thiosulfate (crystal)    | 10% Sodium Thiosulfate                  | 0.1 N Sodium Thiosulfate                                 | 0.008% Sodium Thiosulfate                          |

#### NOTES:

- Solid-top caps feature fluoropolymer resin liners. Open-top caps feature ultrasonically bonded 3.1mm (1/8") fluoropolymer resin/silicone septa.

This "Cleaning Protocol Form" is provided for your records and is used to facilitate any required correspondences as needed.

Date: 11/24/2025

Item Description: 40mL Clear Vials  
Open-Top Cap, Quality Assured

Lot Number: 112425-3BOL QLFV15900034

VWR Part No.: 89093-862

Protocol: B Level: PC

Chemical Lot No.: N/A



Chief Executive Officer  
Manufactured for VWR International

**Cleaning Protocol Form**

Validation Statement: The following containers were pre-cleaned according to one of three cleaning protocols listed below:

**Cleaning Protocol A:**

**Note:** Containers used in the analyses of: Metals, (Organics - Extractables BNAs, Pesticides/PCBs, - (Glass only)), Inorganics - Cyanide, Sulfide, Alkalinity, Anions as (Fluoride, Chlorides, Sulfate), Acidity, Hardness, (TOC, Oil & Grease, Phenolics - Glass only)

Protocol A - Glass Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed with 1:1 Nitric acid.
3. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
4. Oven Dried.

Protocol A - Plastic Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

**Cleaning Protocol B:**

**Note:** Containers used in the analysis of Organic - Purgeables (VOCs) and PCB Wipes.

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Oven Dried.

**Cleaning Protocol C:**

**Note:** Containers used in the analyses of: Inorganics - BOD, CBOD, COD, Residues as TSS, TS, TDS, Nitrogen Species (Ammonia, Nitrate, Nitrite)

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

This case is NOT preserved.

Stirbars: Yes  No

Bar-Coded: Yes  No

Tared Weight: Yes  No

**Level: Processed (PC) (X)**

Glassware / Plasticware received full Quality Assurance and Quality Control treatment. Containers, liners, and closures as applicable, are cleaned according to EPA recommended procedures and validated through a third party (NELAP) testing Laboratory. Each case of containers is custody sealed and labeled for traceability by Lot Number. C&G Containers, at its discretion, may change the cleaning protocol process(es) to ensure cleanliness in meeting analyte specifications or other requirements of this product.

**Available Preservatives:**

|                                 |   |  |  |
|---------------------------------|---|--|--|
| Ascorbic Acid (crystal)         | Ammonium Chloride (crystal)             | Deionized Water  | 1:1 Hydrochloric Acid                              |
| Methanol                        | 1:1 Nitric Acid                         | 18.8% - 19.6% Nitric Acid                                | 1:1 Phosphoric Acid                                |
| Potassium Acetate (crystal)     | Potassium Phosphate Monobasic (crystal) | Monochloroacetic Acid/ Potassium Acetate Buffer Solution | 1:1 Sulfuric Acid                                  |
| Sodium Azide (crystal)          | Sodium Bisulfate (crystal)              | Sodium Bisulfate Solution (1 g / 5 ml DI)                | Sodium Phosphate Tribasic (crystal)                |
| 6 N Sodium Hydroxide            | 10 N Sodium Hydroxide                   | 1:1 Sodium Hydroxide                                     | Sodium Phosphate Tribasic Solution (1 g / 5 ml DI) |
| 1 Molar Sodium Sulfite Solution | Sodium Sulfite (crystal)                | Zinc Acetate (crystal)                                   | 1 N Zinc Acetate                                   |
| Sodium Thiosulfate (crystal)    | 10% Sodium Thiosulfate                  | 0.1 N Sodium Thiosulfate                                 | 0.008% Sodium Thiosulfate                          |

NOTES:

a. Solid-top caps feature fluoropolymer resin liners. Open-top caps feature ultrasonically bonded 3.1mm (1/8") fluoropolymer resin/silicone septa.

This "Cleaning Protocol Form" is provided for your records and is used to facilitate any required correspondences as needed.

Date: 11/24/2025

Item Description: 40mL Clear Vials  
Open-Top Cap, Quality Assured

Lot Number: 112425-3BOL QLFV15900034

VWR Part No.: 89093-862

Protocol: B Level: PC

Chemical Lot No.: N/A



Chief Executive Officer  
Manufactured for VWR International

**Cleaning Protocol Form**

Validation Statement: The following containers were pre-cleaned according to one of three cleaning protocols listed below:

**Cleaning Protocol A:**

**Note:** Containers used in the analyses of: Metals, (Organics - Extractables BNAs, Pesticides/PCBs, - (Glass only)), Inorganics - Cyanide, Sulfide, Alkalinity, Anions as (Fluoride, Chlorides, Sulfate), Acidity, Hardness, (TOC, Oil & Grease, Phenolics - Glass only)

Protocol A - Glass Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed with 1:1 Nitric acid.
3. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
4. Oven Dried.

Protocol A - Plastic Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

**Cleaning Protocol B:**

**Note:** Containers used in the analysis of Organic - Purgeables (VOCs) and PCB Wipes.

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Oven Dried.

**Cleaning Protocol C:**

**Note:** Containers used in the analyses of: Inorganics - BOD, CBOD, COD, Residues as TSS, TS, TDS, Nitrogen Species (Ammonia, Nitrate, Nitrite)

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

This case is NOT preserved.

Stirbars: Yes  No

Bar-Coded: Yes  No

Tared Weight: Yes  No

**Level: Processed (PC) (X)**

Glassware / Plasticware received full Quality Assurance and Quality Control treatment. Containers, liners, and closures as applicable, are cleaned according to EPA recommended procedures and validated through a third party (NELAP) testing Laboratory. Each case of containers is custody sealed and labeled for traceability by Lot Number. C&G Containers, at its discretion, may change the cleaning protocol process(es) to ensure cleanliness in meeting analyte specifications or other requirements of this product.

**Available Preservatives:**

|                                 |   |  |  |
|---------------------------------|---|--|--|
| Ascorbic Acid (crystal)         | Ammonium Chloride (crystal)             | Deionized Water  | 1:1 Hydrochloric Acid                              |
| Methanol                        | 1:1 Nitric Acid                         | 18.8% - 19.6% Nitric Acid                                | 1:1 Phosphoric Acid                                |
| Potassium Acetate (crystal)     | Potassium Phosphate Monobasic (crystal) | Monochloroacetic Acid/ Potassium Acetate Buffer Solution | 1:1 Sulfuric Acid                                  |
| Sodium Azide (crystal)          | Sodium Bisulfate (crystal)              | Sodium Bisulfate Solution (1 g / 5 ml DI)                | Sodium Phosphate Tribasic (crystal)                |
| 6 N Sodium Hydroxide            | 10 N Sodium Hydroxide                   | 1:1 Sodium Hydroxide                                     | Sodium Phosphate Tribasic Solution (1 g / 5 ml DI) |
| 1 Molar Sodium Sulfite Solution | Sodium Sulfite (crystal)                | Zinc Acetate (crystal)                                   | 1 N Zinc Acetate                                   |
| Sodium Thiosulfate (crystal)    | 10% Sodium Thiosulfate                  | 0.1 N Sodium Thiosulfate                                 | 0.008% Sodium Thiosulfate                          |

NOTES:

- Solid-top caps feature fluoropolymer resin liners. Open-top caps feature ultrasonically bonded 3.1mm (1/8") fluoropolymer resin/silicone septa.

This "Cleaning Protocol Form" is provided for your records and is used to facilitate any required correspondences as needed.

Date: 11/24/2025

Item Description: 40mL Clear Vials  
Open-Top Cap, Quality Assured

Lot Number: 112425-3BOL QLFV15900034

VWR Part No.: 89093-862

Protocol: B Level: PC

Chemical Lot No.: N/A



Chief Executive Officer  
Manufactured for VWR International

## Cleaning Protocol Form

Validation Statement: The following containers were pre-cleaned according to one of three cleaning protocols listed below:

### Cleaning Protocol A:

**Note:** Containers used in the analyses of: Metals, (Organics - Extractables BNAs, Pesticides/PCBs, - (Glass only)), Inorganics - Cyanide, Sulfide, Alkalinity, Anions as (Fluoride, Chlorides, Sulfate), Acidity, Hardness, (TOC, Oil & Grease, Phenolics - Glass only)

#### Protocol A - Glass Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed with 1:1 Nitric acid.
3. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
4. Oven Dried.

#### Protocol A - Plastic Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

### Cleaning Protocol B:

**Note:** Containers used in the analysis of Organic - Purgeables (VOCs) and PCB Wipes.

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Oven Dried.

### Cleaning Protocol C:

**Note:** Containers used in the analyses of: Inorganics - BOD, CBOD, COD, Residues as TSS, TS, TDS, Nitrogen Species (Ammonia, Nitrate, Nitrite)

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

This case is NOT preserved.

Stirbars: Yes  No

Bar-Coded: Yes  No

Tared Weight: Yes  No

### Level: Processed (PC) (X)

Glassware / Plasticware received full Quality Assurance and Quality Control treatment. Containers, liners, and closures as applicable, are cleaned according to EPA recommended procedures and validated through a third party (NELAP) testing Laboratory. Each case of containers is custody sealed and labeled for traceability by Lot Number. C&G Containers, at its discretion, may change the cleaning protocol process(es) to ensure cleanliness in meeting analyte specifications or other requirements of this product.

### Available Preservatives:

|                                 |   |  |  |
|---------------------------------|---|--|--|
| Ascorbic Acid (crystal)         | Ammonium Chloride (crystal)             | Deionized Water  | 1:1 Hydrochloric Acid                              |
| Methanol                        | 1:1 Nitric Acid                         | 18.8% - 19.6% Nitric Acid                                | 1:1 Phosphoric Acid                                |
| Potassium Acetate (crystal)     | Potassium Phosphate Monobasic (crystal) | Monochloroacetic Acid/ Potassium Acetate Buffer Solution | 1:1 Sulfuric Acid                                  |
| Sodium Azide (crystal)          | Sodium Bisulfate (crystal)              | Sodium Bisulfate Solution (1 g / 5 ml DI)                | Sodium Phosphate Tribasic (crystal)                |
| 6 N Sodium Hydroxide            | 10 N Sodium Hydroxide                   | 1:1 Sodium Hydroxide                                     | Sodium Phosphate Tribasic Solution (1 g / 5 ml DI) |
| 1 Molar Sodium Sulfite Solution | Sodium Sulfite (crystal)                | Zinc Acetate (crystal)                                   | 1 N Zinc Acetate                                   |
| Sodium Thiosulfate (crystal)    | 10% Sodium Thiosulfate                  | 0.1 N Sodium Thiosulfate                                 | 0.008% Sodium Thiosulfate                          |

#### NOTES:

- Solid-top caps feature fluoropolymer resin liners. Open-top caps feature ultrasonically bonded 3.1mm (1/8") fluoropolymer resin/silicone septa.

This "Cleaning Protocol Form" is provided for your records and is used to facilitate any required correspondences as needed.

Date: 11/24/2025

Item Description: 40mL Clear Vials  
Open-Top Cap, Quality Assured

Lot Number: 112425-3BOL QLFV15900034

VWR Part No.: 89093-862

Protocol: B Level: PC

Chemical Lot No.: N/A



Chief Executive Officer  
Manufactured for VWR International

**Cleaning Protocol Form**

Validation Statement: The following containers were pre-cleaned according to one of three cleaning protocols listed below:

**Cleaning Protocol A:**

**Note:** Containers used in the analyses of: Metals, (Organics - Extractables BNAs, Pesticides/PCBs, - (Glass only)), Inorganics - Cyanide, Sulfide, Alkalinity, Anions as (Fluoride, Chlorides, Sulfate), Acidity, Hardness, (TOC, Oil & Grease, Phenolics - Glass only)

Protocol A - Glass Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed with 1:1 Nitric acid.
3. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
4. Oven Dried.

Protocol A - Plastic Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

**Cleaning Protocol B:**

**Note:** Containers used in the analysis of Organic - Purgeables (VOCs) and PCB Wipes.

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Oven Dried.

**Cleaning Protocol C:**

**Note:** Containers used in the analyses of: Inorganics - BOD, CBOD, COD, Residues as TSS, TS, TDS, Nitrogen Species (Ammonia, Nitrate, Nitrite)

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

This case is NOT preserved.

Stirbars: Yes  No

Bar-Coded: Yes  No

Tared Weight: Yes  No

**Level: Processed (PC) (X)**

Glassware / Plasticware received full Quality Assurance and Quality Control treatment. Containers, liners, and closures as applicable, are cleaned according to EPA recommended procedures and validated through a third party (NELAP) testing Laboratory. Each case of containers is custody sealed and labeled for traceability by Lot Number. C&G Containers, at its discretion, may change the cleaning protocol process(es) to ensure cleanliness in meeting analyte specifications or other requirements of this product.

**Available Preservatives:**

|                                 |   |  |  |
|---------------------------------|---|--|--|
| Ascorbic Acid (crystal)         | Ammonium Chloride (crystal)             | Deionized Water  | 1:1 Hydrochloric Acid                              |
| Methanol                        | 1:1 Nitric Acid                         | 18.8% - 19.6% Nitric Acid                                | 1:1 Phosphoric Acid                                |
| Potassium Acetate (crystal)     | Potassium Phosphate Monobasic (crystal) | Monochloroacetic Acid/ Potassium Acetate Buffer Solution | 1:1 Sulfuric Acid                                  |
| Sodium Azide (crystal)          | Sodium Bisulfate (crystal)              | Sodium Bisulfate Solution (1 g / 5 ml DI)                | Sodium Phosphate Tribasic (crystal)                |
| 6 N Sodium Hydroxide            | 10 N Sodium Hydroxide                   | 1:1 Sodium Hydroxide                                     | Sodium Phosphate Tribasic Solution (1 g / 5 ml DI) |
| 1 Molar Sodium Sulfite Solution | Sodium Sulfite (crystal)                | Zinc Acetate (crystal)                                   | 1 N Zinc Acetate                                   |
| Sodium Thiosulfate (crystal)    | 10% Sodium Thiosulfate                  | 0.1 N Sodium Thiosulfate                                 | 0.008% Sodium Thiosulfate                          |

NOTES:

- Solid-top caps feature fluoropolymer resin liners. Open-top caps feature ultrasonically bonded 3.1mm (1/8") fluoropolymer resin/silicone septa.

This "Cleaning Protocol Form" is provided for your records and is used to facilitate any required correspondences as needed.

Date: 11/24/2025

Item Description: 40mL Clear Vials  
Open-Top Cap, Quality Assured

Lot Number: 112425-3BOL QLFV15900034

VWR Part No.: 89093-862

Protocol: B Level: PC

Chemical Lot No.: N/A



Chief Executive Officer  
Manufactured for VWR International

**Cleaning Protocol Form**

Validation Statement: The following containers were pre-cleaned according to one of three cleaning protocols listed below:

**Cleaning Protocol A:**

**Note:** Containers used in the analyses of: Metals, (Organics - Extractables BNAs, Pesticides/PCBs, - (Glass only)), Inorganics - Cyanide, Sulfide, Alkalinity, Anions as (Fluoride, Chlorides, Sulfate), Acidity, Hardness, (TOC, Oil & Grease, Phenolics - Glass only)

Protocol A - Glass Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed with 1:1 Nitric acid.
3. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
4. Oven Dried.

Protocol A - Plastic Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

**Cleaning Protocol B:**

**Note:** Containers used in the analysis of Organic - Purgeables (VOCs) and PCB Wipes.

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Oven Dried.

**Cleaning Protocol C:**

**Note:** Containers used in the analyses of: Inorganics - BOD, CBOD, COD, Residues as TSS, TS, TDS, Nitrogen Species (Ammonia, Nitrate, Nitrite)

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

This case is NOT preserved.

Stirbars: Yes  No

Bar-Coded: Yes  No

Tared Weight: Yes  No

**Level: Processed (PC) (X)**

Glassware / Plasticware received full Quality Assurance and Quality Control treatment. Containers, liners, and closures as applicable, are cleaned according to EPA recommended procedures and validated through a third party (NELAP) testing Laboratory. Each case of containers is custody sealed and labeled for traceability by Lot Number. C&G Containers, at its discretion, may change the cleaning protocol process(es) to ensure cleanliness in meeting analyte specifications or other requirements of this product.

**Available Preservatives:**

|                                 |   |  |  |
|---------------------------------|---|--|--|
| Ascorbic Acid (crystal)         | Ammonium Chloride (crystal)             | Deionized Water  | 1:1 Hydrochloric Acid                              |
| Methanol                        | 1:1 Nitric Acid                         | 18.8% - 19.6% Nitric Acid                                | 1:1 Phosphoric Acid                                |
| Potassium Acetate (crystal)     | Potassium Phosphate Monobasic (crystal) | Monochloroacetic Acid/ Potassium Acetate Buffer Solution | 1:1 Sulfuric Acid                                  |
| Sodium Azide (crystal)          | Sodium Bisulfate (crystal)              | Sodium Bisulfate Solution (1 g / 5 ml DI)                | Sodium Phosphate Tribasic (crystal)                |
| 6 N Sodium Hydroxide            | 10 N Sodium Hydroxide                   | 1:1 Sodium Hydroxide                                     | Sodium Phosphate Tribasic Solution (1 g / 5 ml DI) |
| 1 Molar Sodium Sulfite Solution | Sodium Sulfite (crystal)                | Zinc Acetate (crystal)                                   | 1 N Zinc Acetate                                   |
| Sodium Thiosulfate (crystal)    | 10% Sodium Thiosulfate                  | 0.1 N Sodium Thiosulfate                                 | 0.008% Sodium Thiosulfate                          |

NOTES:

- Solid-top caps feature fluoropolymer resin liners. Open-top caps feature ultrasonically bonded 3.1mm (1/8") fluoropolymer resin/silicone septa.

This "Cleaning Protocol Form" is provided for your records and is used to facilitate any required correspondences as needed.

Date: 11/24/2025

Item Description: 40mL Clear Vials  
Open-Top Cap, Quality Assured

Lot Number: 112425-3BOL QLFV15900034

VWR Part No.: 89093-862

Protocol: B Level: PC

Chemical Lot No.: N/A



Chief Executive Officer  
Manufactured for VWR International

**Cleaning Protocol Form**

Validation Statement: The following containers were pre-cleaned according to one of three cleaning protocols listed below:

**Cleaning Protocol A:**

**Note:** Containers used in the analyses of: Metals, (Organics - Extractables BNAs, Pesticides/PCBs, - (Glass only)), Inorganics - Cyanide, Sulfide, Alkalinity, Anions as (Fluoride, Chlorides, Sulfate), Acidity, Hardness, (TOC, Oil & Grease, Phenolics - Glass only)

Protocol A - Glass Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed with 1:1 Nitric acid.
3. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
4. Oven Dried.

Protocol A - Plastic Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

**Cleaning Protocol B:**

**Note:** Containers used in the analysis of Organic - Purgeables (VOCs) and PCB Wipes.

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Oven Dried.

**Cleaning Protocol C:**

**Note:** Containers used in the analyses of: Inorganics - BOD, CBOD, COD, Residues as TSS, TS, TDS, Nitrogen Species (Ammonia, Nitrate, Nitrite)

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

This case is NOT preserved.

Stirbars: Yes  No

Bar-Coded: Yes  No

Tared Weight: Yes  No

**Level: Processed (PC) (X)**

Glassware / Plasticware received full Quality Assurance and Quality Control treatment. Containers, liners, and closures as applicable, are cleaned according to EPA recommended procedures and validated through a third party (NELAP) testing Laboratory. Each case of containers is custody sealed and labeled for traceability by Lot Number. C&G Containers, at its discretion, may change the cleaning protocol process(es) to ensure cleanliness in meeting analyte specifications or other requirements of this product.

**Available Preservatives:**

|                                 |   |  |  |
|---------------------------------|---|--|--|
| Ascorbic Acid (crystal)         | Ammonium Chloride (crystal)             | Deionized Water  | 1:1 Hydrochloric Acid                              |
| Methanol                        | 1:1 Nitric Acid                         | 18.8% - 19.6% Nitric Acid                                | 1:1 Phosphoric Acid                                |
| Potassium Acetate (crystal)     | Potassium Phosphate Monobasic (crystal) | Monochloroacetic Acid/ Potassium Acetate Buffer Solution | 1:1 Sulfuric Acid                                  |
| Sodium Azide (crystal)          | Sodium Bisulfate (crystal)              | Sodium Bisulfate Solution (1 g / 5 ml DI)                | Sodium Phosphate Tribasic (crystal)                |
| 6 N Sodium Hydroxide            | 10 N Sodium Hydroxide                   | 1:1 Sodium Hydroxide                                     | Sodium Phosphate Tribasic Solution (1 g / 5 ml DI) |
| 1 Molar Sodium Sulfite Solution | Sodium Sulfite (crystal)                | Zinc Acetate (crystal)                                   | 1 N Zinc Acetate                                   |
| Sodium Thiosulfate (crystal)    | 10% Sodium Thiosulfate                  | 0.1 N Sodium Thiosulfate                                 | 0.008% Sodium Thiosulfate                          |

NOTES:

- Solid-top caps feature fluoropolymer resin liners. Open-top caps feature ultrasonically bonded 3.1mm (1/8") fluoropolymer resin/silicone septa.

This "Cleaning Protocol Form" is provided for your records and is used to facilitate any required correspondences as needed.

Date: 11/24/2025

Item Description: 40mL Clear Vials  
Open-Top Cap, Quality Assured

Lot Number: 112425-3BOL QLFV15900034

VWR Part No.: 89093-862

Protocol: B Level: PC

Chemical Lot No.: N/A



Chief Executive Officer  
Manufactured for VWR International

**Cleaning Protocol Form**

Validation Statement: The following containers were pre-cleaned according to one of three cleaning protocols listed below:

**Cleaning Protocol A:**

**Note:** Containers used in the analyses of: Metals, (Organics - Extractables BNAs, Pesticides/PCBs, - (Glass only)), Inorganics - Cyanide, Sulfide, Alkalinity, Anions as (Fluoride, Chlorides, Sulfate), Acidity, Hardness, (TOC, Oil & Grease, Phenolics - Glass only)

Protocol A - Glass Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed with 1:1 Nitric acid.
3. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
4. Oven Dried.

Protocol A - Plastic Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

**Cleaning Protocol B:**

**Note:** Containers used in the analysis of Organic - Purgeables (VOCs) and PCB Wipes.

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Oven Dried.

**Cleaning Protocol C:**

**Note:** Containers used in the analyses of: Inorganics - BOD, CBOD, COD, Residues as TSS, TS, TDS, Nitrogen Species (Ammonia, Nitrate, Nitrite)

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

This case is NOT preserved.

Stirbars: Yes  No

Bar-Coded: Yes  No

Tared Weight: Yes  No

**Level: Processed (PC) (X)**

Glassware / Plasticware received full Quality Assurance and Quality Control treatment. Containers, liners, and closures as applicable, are cleaned according to EPA recommended procedures and validated through a third party (NELAP) testing Laboratory. Each case of containers is custody sealed and labeled for traceability by Lot Number. C&G Containers, at its discretion, may change the cleaning protocol process(es) to ensure cleanliness in meeting analyte specifications or other requirements of this product.

**Available Preservatives:**

|                                 |   |  |  |
|---------------------------------|---|--|--|
| Ascorbic Acid (crystal)         | Ammonium Chloride (crystal)             | Deionized Water  | 1:1 Hydrochloric Acid                              |
| Methanol                        | 1:1 Nitric Acid                         | 18.8% - 19.6% Nitric Acid                                | 1:1 Phosphoric Acid                                |
| Potassium Acetate (crystal)     | Potassium Phosphate Monobasic (crystal) | Monochloroacetic Acid/ Potassium Acetate Buffer Solution | 1:1 Sulfuric Acid                                  |
| Sodium Azide (crystal)          | Sodium Bisulfate (crystal)              | Sodium Bisulfate Solution (1 g / 5 ml DI)                | Sodium Phosphate Tribasic (crystal)                |
| 6 N Sodium Hydroxide            | 10 N Sodium Hydroxide                   | 1:1 Sodium Hydroxide                                     | Sodium Phosphate Tribasic Solution (1 g / 5 ml DI) |
| 1 Molar Sodium Sulfite Solution | Sodium Sulfite (crystal)                | Zinc Acetate (crystal)                                   | 1 N Zinc Acetate                                   |
| Sodium Thiosulfate (crystal)    | 10% Sodium Thiosulfate                  | 0.1 N Sodium Thiosulfate                                 | 0.008% Sodium Thiosulfate                          |

NOTES:

a. Solid-top caps feature fluoropolymer resin liners. Open-top caps feature ultrasonically bonded 3.1mm (1/8") fluoropolymer resin/silicone septa.

This "Cleaning Protocol Form" is provided for your records and is used to facilitate any required correspondences as needed.

Date: 11/24/2025

Item Description: 40mL Clear Vials  
Open-Top Cap, Quality Assured

Lot Number: 112425-3BOL QLFV15900034

VWR Part No.: 89093-862

Protocol: B Level: PC

Chemical Lot No.: N/A



Chief Executive Officer  
Manufactured for VWR International

**Cleaning Protocol Form**

Validation Statement: The following containers were pre-cleaned according to one of three cleaning protocols listed below:

**Cleaning Protocol A:**

**Note:** Containers used in the analyses of: Metals, (Organics - Extractables BNAs, Pesticides/PCBs, - (Glass only)), Inorganics - Cyanide, Sulfide, Alkalinity, Anions as (Fluoride, Chlorides, Sulfate), Acidity, Hardness, (TOC, Oil & Grease, Phenolics - Glass only)

Protocol A - Glass Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed with 1:1 Nitric acid.
3. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
4. Oven Dried.

Protocol A - Plastic Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

**Cleaning Protocol B:**

**Note:** Containers used in the analysis of Organic - Purgeables (VOCs) and PCB Wipes.

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Oven Dried.

**Cleaning Protocol C:**

**Note:** Containers used in the analyses of: Inorganics - BOD, CBOD, COD, Residues as TSS, TS, TDS, Nitrogen Species (Ammonia, Nitrate, Nitrite)

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

This case is NOT preserved.

Stirbars: Yes  No

Bar-Coded: Yes  No

Tared Weight: Yes  No

**Level: Processed (PC) (X)**

Glassware / Plasticware received full Quality Assurance and Quality Control treatment. Containers, liners, and closures as applicable, are cleaned according to EPA recommended procedures and validated through a third party (NELAP) testing Laboratory. Each case of containers is custody sealed and labeled for traceability by Lot Number. C&G Containers, at its discretion, may change the cleaning protocol process(es) to ensure cleanliness in meeting analyte specifications or other requirements of this product.

**Available Preservatives:**

|                                 |   |  |  |
|---------------------------------|---|--|--|
| Ascorbic Acid (crystal)         | Ammonium Chloride (crystal)             | Deionized Water  | 1:1 Hydrochloric Acid                              |
| Methanol                        | 1:1 Nitric Acid                         | 18.8% - 19.6% Nitric Acid                                | 1:1 Phosphoric Acid                                |
| Potassium Acetate (crystal)     | Potassium Phosphate Monobasic (crystal) | Monochloroacetic Acid/ Potassium Acetate Buffer Solution | 1:1 Sulfuric Acid                                  |
| Sodium Azide (crystal)          | Sodium Bisulfate (crystal)              | Sodium Bisulfate Solution (1 g / 5 ml DI)                | Sodium Phosphate Tribasic (crystal)                |
| 6 N Sodium Hydroxide            | 10 N Sodium Hydroxide                   | 1:1 Sodium Hydroxide                                     | Sodium Phosphate Tribasic Solution (1 g / 5 ml DI) |
| 1 Molar Sodium Sulfite Solution | Sodium Sulfite (crystal)                | Zinc Acetate (crystal)                                   | 1 N Zinc Acetate                                   |
| Sodium Thiosulfate (crystal)    | 10% Sodium Thiosulfate                  | 0.1 N Sodium Thiosulfate                                 | 0.008% Sodium Thiosulfate                          |

NOTES:

a. Solid-top caps feature fluoropolymer resin liners. Open-top caps feature ultrasonically bonded 3.1mm (1/8") fluoropolymer resin/silicone septa.

This "Cleaning Protocol Form" is provided for your records and is used to facilitate any required correspondences as needed.

Date: 11/24/2025

Item Description: 40mL Clear Vials  
Open-Top Cap, Quality Assured

Lot Number: 112425-3BOL QLFV15900034

VWR Part No.: 89093-862

Protocol: B Level: PC

Chemical Lot No.: N/A



Chief Executive Officer  
Manufactured for VWR International

**Cleaning Protocol Form**

Validation Statement: The following containers were pre-cleaned according to one of three cleaning protocols listed below:

**Cleaning Protocol A:**

**Note:** Containers used in the analyses of: Metals, (Organics - Extractables BNAs, Pesticides/PCBs, - (Glass only)), Inorganics - Cyanide, Sulfide, Alkalinity, Anions as (Fluoride, Chlorides, Sulfate), Acidity, Hardness, (TOC, Oil & Grease, Phenolics - Glass only)

Protocol A - Glass Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed with 1:1 Nitric acid.
3. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
4. Oven Dried.

Protocol A - Plastic Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

**Cleaning Protocol B:**

**Note:** Containers used in the analysis of Organic - Purgeables (VOCs) and PCB Wipes.

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Oven Dried.

**Cleaning Protocol C:**

**Note:** Containers used in the analyses of: Inorganics - BOD, CBOD, COD, Residues as TSS, TS, TDS, Nitrogen Species (Ammonia, Nitrate, Nitrite)

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

This case is NOT preserved.

Stirbars: Yes  No

Bar-Coded: Yes  No

Tared Weight: Yes  No

**Level: Processed (PC) (X)**

Glassware / Plasticware received full Quality Assurance and Quality Control treatment. Containers, liners, and closures as applicable, are cleaned according to EPA recommended procedures and validated through a third party (NELAP) testing Laboratory. Each case of containers is custody sealed and labeled for traceability by Lot Number. C&G Containers, at its discretion, may change the cleaning protocol process(es) to ensure cleanliness in meeting analyte specifications or other requirements of this product.

**Available Preservatives:**

|                                 |   |  |  |
|---------------------------------|---|--|--|
| Ascorbic Acid (crystal)         | Ammonium Chloride (crystal)             | Deionized Water  | 1:1 Hydrochloric Acid                              |
| Methanol                        | 1:1 Nitric Acid                         | 18.8% - 19.6% Nitric Acid                                | 1:1 Phosphoric Acid                                |
| Potassium Acetate (crystal)     | Potassium Phosphate Monobasic (crystal) | Monochloroacetic Acid/ Potassium Acetate Buffer Solution | 1:1 Sulfuric Acid                                  |
| Sodium Azide (crystal)          | Sodium Bisulfate (crystal)              | Sodium Bisulfate Solution (1 g / 5 ml DI)                | Sodium Phosphate Tribasic (crystal)                |
| 6 N Sodium Hydroxide            | 10 N Sodium Hydroxide                   | 1:1 Sodium Hydroxide                                     | Sodium Phosphate Tribasic Solution (1 g / 5 ml DI) |
| 1 Molar Sodium Sulfite Solution | Sodium Sulfite (crystal)                | Zinc Acetate (crystal)                                   | 1 N Zinc Acetate                                   |
| Sodium Thiosulfate (crystal)    | 10% Sodium Thiosulfate                  | 0.1 N Sodium Thiosulfate                                 | 0.008% Sodium Thiosulfate                          |

NOTES:

- Solid-top caps feature fluoropolymer resin liners. Open-top caps feature ultrasonically bonded 3.1mm (1/8") fluoropolymer resin/silicone septa.

This "Cleaning Protocol Form" is provided for your records and is used to facilitate any required correspondences as needed.

Date: 11/24/2025

Item Description: 40mL Clear Vials  
Open-Top Cap, Quality Assured

Lot Number: 112425-3BOL QLFV15900034

VWR Part No.: 89093-862

Protocol: B Level: PC

Chemical Lot No.: N/A



Chief Executive Officer  
Manufactured for VWR International

**Cleaning Protocol Form**

Validation Statement: The following containers were pre-cleaned according to one of three cleaning protocols listed below:

**Cleaning Protocol A:**

**Note:** Containers used in the analyses of: Metals, (Organics - Extractables BNAs, Pesticides/PCBs, - (Glass only)), Inorganics - Cyanide, Sulfide, Alkalinity, Anions as (Fluoride, Chlorides, Sulfate), Acidity, Hardness, (TOC, Oil & Grease, Phenolics - Glass only)

Protocol A - Glass Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed with 1:1 Nitric acid.
3. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
4. Oven Dried.

Protocol A - Plastic Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

**Cleaning Protocol B:**

**Note:** Containers used in the analysis of Organic - Purgeables (VOCs) and PCB Wipes.

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Oven Dried.

**Cleaning Protocol C:**

**Note:** Containers used in the analyses of: Inorganics - BOD, CBOD, COD, Residues as TSS, TS, TDS, Nitrogen Species (Ammonia, Nitrate, Nitrite)

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

This case is NOT preserved.

Stirbars: Yes  No

Bar-Coded: Yes  No

Tared Weight: Yes  No

**Level: Processed (PC) (X)**

Glassware / Plasticware received full Quality Assurance and Quality Control treatment. Containers, liners, and closures as applicable, are cleaned according to EPA recommended procedures and validated through a third party (NELAP) testing Laboratory. Each case of containers is custody sealed and labeled for traceability by Lot Number. C&G Containers, at its discretion, may change the cleaning protocol process(es) to ensure cleanliness in meeting analyte specifications or other requirements of this product.

**Available Preservatives:**

|                                 |   |  |  |
|---------------------------------|---|--|--|
| Ascorbic Acid (crystal)         | Ammonium Chloride (crystal)             | Deionized Water  | 1:1 Hydrochloric Acid                              |
| Methanol                        | 1:1 Nitric Acid                         | 18.8% - 19.6% Nitric Acid                                | 1:1 Phosphoric Acid                                |
| Potassium Acetate (crystal)     | Potassium Phosphate Monobasic (crystal) | Monochloroacetic Acid/ Potassium Acetate Buffer Solution | 1:1 Sulfuric Acid                                  |
| Sodium Azide (crystal)          | Sodium Bisulfate (crystal)              | Sodium Bisulfate Solution (1 g / 5 ml DI)                | Sodium Phosphate Tribasic (crystal)                |
| 6 N Sodium Hydroxide            | 10 N Sodium Hydroxide                   | 1:1 Sodium Hydroxide                                     | Sodium Phosphate Tribasic Solution (1 g / 5 ml DI) |
| 1 Molar Sodium Sulfite Solution | Sodium Sulfite (crystal)                | Zinc Acetate (crystal)                                   | 1 N Zinc Acetate                                   |
| Sodium Thiosulfate (crystal)    | 10% Sodium Thiosulfate                  | 0.1 N Sodium Thiosulfate                                 | 0.008% Sodium Thiosulfate                          |

NOTES:

a. Solid-top caps feature fluoropolymer resin liners. Open-top caps feature ultrasonically bonded 3.1mm (1/8") fluoropolymer resin/silicone septa.

This "Cleaning Protocol Form" is provided for your records and is used to facilitate any required correspondences as needed.

Date: 11/24/2025

Item Description: 40mL Clear Vials  
Open-Top Cap, Quality Assured

Lot Number: 112425-3BOL QLFV15900034

VWR Part No.: 89093-862

Protocol: B Level: PC

Chemical Lot No.: N/A



Chief Executive Officer  
Manufactured for VWR International

**Cleaning Protocol Form**

Validation Statement: The following containers were pre-cleaned according to one of three cleaning protocols listed below:

**Cleaning Protocol A:**

**Note:** Containers used in the analyses of: Metals, (Organics - Extractables BNAs, Pesticides/PCBs, - (Glass only)), Inorganics - Cyanide, Sulfide, Alkalinity, Anions as (Fluoride, Chlorides, Sulfate), Acidity, Hardness, (TOC, Oil & Grease, Phenolics - Glass only)

Protocol A - Glass Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed with 1:1 Nitric acid.
3. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
4. Oven Dried.

Protocol A - Plastic Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

**Cleaning Protocol B:**

**Note:** Containers used in the analysis of Organic - Purgeables (VOCs) and PCB Wipes.

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Oven Dried.

**Cleaning Protocol C:**

**Note:** Containers used in the analyses of: Inorganics - BOD, CBOD, COD, Residues as TSS, TS, TDS, Nitrogen Species (Ammonia, Nitrate, Nitrite)

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

This case is NOT preserved.

Stirbars: Yes  No

Bar-Coded: Yes  No

Tared Weight: Yes  No

**Level: Processed (PC) (X)**

Glassware / Plasticware received full Quality Assurance and Quality Control treatment. Containers, liners, and closures as applicable, are cleaned according to EPA recommended procedures and validated through a third party (NELAP) testing Laboratory. Each case of containers is custody sealed and labeled for traceability by Lot Number. C&G Containers, at its discretion, may change the cleaning protocol process(es) to ensure cleanliness in meeting analyte specifications or other requirements of this product.

**Available Preservatives:**

|                                 |   |  |  |
|---------------------------------|---|--|--|
| Ascorbic Acid (crystal)         | Ammonium Chloride (crystal)             | Deionized Water  | 1:1 Hydrochloric Acid                              |
| Methanol                        | 1:1 Nitric Acid                         | 18.8% - 19.6% Nitric Acid                                | 1:1 Phosphoric Acid                                |
| Potassium Acetate (crystal)     | Potassium Phosphate Monobasic (crystal) | Monochloroacetic Acid/ Potassium Acetate Buffer Solution | 1:1 Sulfuric Acid                                  |
| Sodium Azide (crystal)          | Sodium Bisulfate (crystal)              | Sodium Bisulfate Solution (1 g / 5 ml DI)                | Sodium Phosphate Tribasic (crystal)                |
| 6 N Sodium Hydroxide            | 10 N Sodium Hydroxide                   | 1:1 Sodium Hydroxide                                     | Sodium Phosphate Tribasic Solution (1 g / 5 ml DI) |
| 1 Molar Sodium Sulfite Solution | Sodium Sulfite (crystal)                | Zinc Acetate (crystal)                                   | 1 N Zinc Acetate                                   |
| Sodium Thiosulfate (crystal)    | 10% Sodium Thiosulfate                  | 0.1 N Sodium Thiosulfate                                 | 0.008% Sodium Thiosulfate                          |

NOTES:

a. Solid-top caps feature fluoropolymer resin liners. Open-top caps feature ultrasonically bonded 3.1mm (1/8") fluoropolymer resin/silicone septa.

This "Cleaning Protocol Form" is provided for your records and is used to facilitate any required correspondences as needed.

Date: 11/24/2025

Item Description: 40mL Clear Vials  
Open-Top Cap, Quality Assured

Lot Number: 112425-3BOL QLFV15900034

VWR Part No.: 89093-862

Protocol: B Level: PC

Chemical Lot No.: N/A



Chief Executive Officer  
Manufactured for VWR International

**Cleaning Protocol Form**

Validation Statement: The following containers were pre-cleaned according to one of three cleaning protocols listed below:

**Cleaning Protocol A:**

**Note:** Containers used in the analyses of: Metals, (Organics - Extractables BNAs, Pesticides/PCBs, - (Glass only)), Inorganics - Cyanide, Sulfide, Alkalinity, Anions as (Fluoride, Chlorides, Sulfate), Acidity, Hardness, (TOC, Oil & Grease, Phenolics - Glass only)

Protocol A - Glass Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed with 1:1 Nitric acid.
3. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
4. Oven Dried.

Protocol A - Plastic Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

**Cleaning Protocol B:**

**Note:** Containers used in the analysis of Organic - Purgeables (VOCs) and PCB Wipes.

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Oven Dried.

**Cleaning Protocol C:**

**Note:** Containers used in the analyses of: Inorganics - BOD, CBOD, COD, Residues as TSS, TS, TDS, Nitrogen Species (Ammonia, Nitrate, Nitrite)

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

This case is NOT preserved.

Stirbars: Yes  No

Bar-Coded: Yes  No

Tared Weight: Yes  No

**Level: Processed (PC) (X)**

Glassware / Plasticware received full Quality Assurance and Quality Control treatment. Containers, liners, and closures as applicable, are cleaned according to EPA recommended procedures and validated through a third party (NELAP) testing Laboratory. Each case of containers is custody sealed and labeled for traceability by Lot Number. C&G Containers, at its discretion, may change the cleaning protocol process(es) to ensure cleanliness in meeting analyte specifications or other requirements of this product.

**Available Preservatives:**

|                                 |   |  |  |
|---------------------------------|---|--|--|
| Ascorbic Acid (crystal)         | Ammonium Chloride (crystal)             | Deionized Water  | 1:1 Hydrochloric Acid                              |
| Methanol                        | 1:1 Nitric Acid                         | 18.8% - 19.6% Nitric Acid                                | 1:1 Phosphoric Acid                                |
| Potassium Acetate (crystal)     | Potassium Phosphate Monobasic (crystal) | Monochloroacetic Acid/ Potassium Acetate Buffer Solution | 1:1 Sulfuric Acid                                  |
| Sodium Azide (crystal)          | Sodium Bisulfate (crystal)              | Sodium Bisulfate Solution (1 g / 5 ml DI)                | Sodium Phosphate Tribasic (crystal)                |
| 6 N Sodium Hydroxide            | 10 N Sodium Hydroxide                   | 1:1 Sodium Hydroxide                                     | Sodium Phosphate Tribasic Solution (1 g / 5 ml DI) |
| 1 Molar Sodium Sulfite Solution | Sodium Sulfite (crystal)                | Zinc Acetate (crystal)                                   | 1 N Zinc Acetate                                   |
| Sodium Thiosulfate (crystal)    | 10% Sodium Thiosulfate                  | 0.1 N Sodium Thiosulfate                                 | 0.008% Sodium Thiosulfate                          |

NOTES:

- Solid-top caps feature fluoropolymer resin liners. Open-top caps feature ultrasonically bonded 3.1mm (1/8") fluoropolymer resin/silicone septa.

This "Cleaning Protocol Form" is provided for your records and is used to facilitate any required correspondences as needed.

**Date:** 11/24/2025

**Item Description:** 40mL Clear Vials  
Open-Top Cap, Quality Assured

**Lot Number:** 112425-3BOL QLFV15900034

**VWR Part No.:** 89093-862

**Protocol:** B **Level:** PC

**Chemical Lot No.:** N/A



Chief Executive Officer  
Manufactured for VWR International

**Cleaning Protocol Form**

Validation Statement: The following containers were pre-cleaned according to one of three cleaning protocols listed below:

**Cleaning Protocol A:**

**Note:** Containers used in the analyses of: Metals, (Organics - Extractables BNAs, Pesticides/PCBs, - (Glass only)), Inorganics - Cyanide, Sulfide, Alkalinity, Anions as (Fluoride, Chlorides, Sulfate), Acidity, Hardness, (TOC, Oil & Grease, Phenolics - Glass only)

Protocol A - Glass Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed with 1:1 Nitric acid.
3. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
4. Oven Dried.

Protocol A - Plastic Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

**Cleaning Protocol B:**

**Note:** Containers used in the analysis of Organic - Purgeables (VOCs) and PCB Wipes.

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Oven Dried.

**Cleaning Protocol C:**

**Note:** Containers used in the analyses of: Inorganics - BOD, CBOD, COD, Residues as TSS, TS, TDS, Nitrogen Species (Ammonia, Nitrate, Nitrite)

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

This case is NOT preserved.

Stirbars: Yes  No

Bar-Coded: Yes  No

Tared Weight: Yes  No

**Level: Processed (PC) (X)**

Glassware / Plasticware received full Quality Assurance and Quality Control treatment. Containers, liners, and closures as applicable, are cleaned according to EPA recommended procedures and validated through a third party (NELAP) testing Laboratory. Each case of containers is custody sealed and labeled for traceability by Lot Number. C&G Containers, at its discretion, may change the cleaning protocol process(es) to ensure cleanliness in meeting analyte specifications or other requirements of this product.

**Available Preservatives:**

|                                 |   |  |  |
|---------------------------------|---|--|--|
| Ascorbic Acid (crystal)         | Ammonium Chloride (crystal)             | Deionized Water  | 1:1 Hydrochloric Acid                              |
| Methanol                        | 1:1 Nitric Acid                         | 18.8% - 19.6% Nitric Acid                                | 1:1 Phosphoric Acid                                |
| Potassium Acetate (crystal)     | Potassium Phosphate Monobasic (crystal) | Monochloroacetic Acid/ Potassium Acetate Buffer Solution | 1:1 Sulfuric Acid                                  |
| Sodium Azide (crystal)          | Sodium Bisulfate (crystal)              | Sodium Bisulfate Solution (1 g / 5 ml DI)                | Sodium Phosphate Tribasic (crystal)                |
| 6 N Sodium Hydroxide            | 10 N Sodium Hydroxide                   | 1:1 Sodium Hydroxide                                     | Sodium Phosphate Tribasic Solution (1 g / 5 ml DI) |
| 1 Molar Sodium Sulfite Solution | Sodium Sulfite (crystal)                | Zinc Acetate (crystal)                                   | 1 N Zinc Acetate                                   |
| Sodium Thiosulfate (crystal)    | 10% Sodium Thiosulfate                  | 0.1 N Sodium Thiosulfate                                 | 0.008% Sodium Thiosulfate                          |

NOTES:

a. Solid-top caps feature fluoropolymer resin liners. Open-top caps feature ultrasonically bonded 3.1mm (1/8") fluoropolymer resin/silicone septa.

This "Cleaning Protocol Form" is provided for your records and is used to facilitate any required correspondences as needed.

Date: 11/24/2025

Item Description: 40mL Clear Vials  
Open-Top Cap, Quality Assured

Lot Number: 112425-3BOL QLFV15900034

VWR Part No.: 89093-862

Protocol: B Level: PC

Chemical Lot No.: N/A



Chief Executive Officer  
Manufactured for VWR International

## Cleaning Protocol Form

Validation Statement: The following containers were pre-cleaned according to one of three cleaning protocols listed below:

### Cleaning Protocol A:

**Note:** Containers used in the analyses of: Metals, (Organics - Extractables BNAs, Pesticides/PCBs, - (Glass only)), Inorganics - Cyanide, Sulfide, Alkalinity, Anions as (Fluoride, Chlorides, Sulfate), Acidity, Hardness, (TOC, Oil & Grease, Phenolics - Glass only)

#### Protocol A - Glass Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed with 1:1 Nitric acid.
3. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
4. Oven Dried.

#### Protocol A - Plastic Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

### Cleaning Protocol B:

**Note:** Containers used in the analysis of Organic - Purgeables (VOCs) and PCB Wipes.

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Oven Dried.

### Cleaning Protocol C:

**Note:** Containers used in the analyses of: Inorganics - BOD, CBOD, COD, Residues as TSS, TS, TDS, Nitrogen Species (Ammonia, Nitrate, Nitrite)

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

This case is NOT preserved.

Stirbars: Yes  No

Bar-Coded: Yes  No

Tared Weight: Yes  No

### Level: Processed (PC) (X)

Glassware / Plasticware received full Quality Assurance and Quality Control treatment. Containers, liners, and closures as applicable, are cleaned according to EPA recommended procedures and validated through a third party (NELAP) testing Laboratory. Each case of containers is custody sealed and labeled for traceability by Lot Number. C&G Containers, at its discretion, may change the cleaning protocol process(es) to ensure cleanliness in meeting analyte specifications or other requirements of this product.

### Available Preservatives:

|                                 |   |  |  |
|---------------------------------|---|--|--|
| Ascorbic Acid (crystal)         | Ammonium Chloride (crystal)             | Deionized Water  | 1:1 Hydrochloric Acid                              |
| Methanol                        | 1:1 Nitric Acid                         | 18.8% - 19.6% Nitric Acid                                | 1:1 Phosphoric Acid                                |
| Potassium Acetate (crystal)     | Potassium Phosphate Monobasic (crystal) | Monochloroacetic Acid/ Potassium Acetate Buffer Solution | 1:1 Sulfuric Acid                                  |
| Sodium Azide (crystal)          | Sodium Bisulfate (crystal)              | Sodium Bisulfate Solution (1 g / 5 ml DI)                | Sodium Phosphate Tribasic (crystal)                |
| 6 N Sodium Hydroxide            | 10 N Sodium Hydroxide                   | 1:1 Sodium Hydroxide                                     | Sodium Phosphate Tribasic Solution (1 g / 5 ml DI) |
| 1 Molar Sodium Sulfite Solution | Sodium Sulfite (crystal)                | Zinc Acetate (crystal)                                   | 1 N Zinc Acetate                                   |
| Sodium Thiosulfate (crystal)    | 10% Sodium Thiosulfate                  | 0.1 N Sodium Thiosulfate                                 | 0.008% Sodium Thiosulfate                          |

#### NOTES:

- Solid-top caps feature fluoropolymer resin liners. Open-top caps feature ultrasonically bonded 3.1mm (1/8") fluoropolymer resin/silicone septa.

This "Cleaning Protocol Form" is provided for your records and is used to facilitate any required correspondences as needed.

Date: 11/24/2025

Item Description: 40mL Clear Vials  
Open-Top Cap, Quality Assured

Lot Number: 112425-3BOL QLFV15900034

VWR Part No.: 89093-862

Protocol: B Level: PC

Chemical Lot No.: N/A



Chief Executive Officer  
Manufactured for VWR International

**Cleaning Protocol Form**

Validation Statement: The following containers were pre-cleaned according to one of three cleaning protocols listed below:

**Cleaning Protocol A:**

**Note:** Containers used in the analyses of: Metals, (Organics - Extractables BNAs, Pesticides/PCBs, - (Glass only)), Inorganics - Cyanide, Sulfide, Alkalinity, Anions as (Fluoride, Chlorides, Sulfate), Acidity, Hardness, (TOC, Oil & Grease, Phenolics - Glass only)

Protocol A - Glass Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed with 1:1 Nitric acid.
3. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
4. Oven Dried.

Protocol A - Plastic Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

**Cleaning Protocol B:**

**Note:** Containers used in the analysis of Organic - Purgeables (VOCs) and PCB Wipes.

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Oven Dried.

**Cleaning Protocol C:**

**Note:** Containers used in the analyses of: Inorganics - BOD, CBOD, COD, Residues as TSS, TS, TDS, Nitrogen Species (Ammonia, Nitrate, Nitrite)

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

This case is NOT preserved.

Stirbars: Yes  No

Bar-Coded: Yes  No

Tared Weight: Yes  No

**Level: Processed (PC) (X)**

Glassware / Plasticware received full Quality Assurance and Quality Control treatment. Containers, liners, and closures as applicable, are cleaned according to EPA recommended procedures and validated through a third party (NELAP) testing Laboratory. Each case of containers is custody sealed and labeled for traceability by Lot Number. C&G Containers, at its discretion, may change the cleaning protocol process(es) to ensure cleanliness in meeting analyte specifications or other requirements of this product.

**Available Preservatives:**

|                                 |   |  |  |
|---------------------------------|---|--|--|
| Ascorbic Acid (crystal)         | Ammonium Chloride (crystal)             | Deionized Water  | 1:1 Hydrochloric Acid                              |
| Methanol                        | 1:1 Nitric Acid                         | 18.8% - 19.6% Nitric Acid                                | 1:1 Phosphoric Acid                                |
| Potassium Acetate (crystal)     | Potassium Phosphate Monobasic (crystal) | Monochloroacetic Acid/ Potassium Acetate Buffer Solution | 1:1 Sulfuric Acid                                  |
| Sodium Azide (crystal)          | Sodium Bisulfate (crystal)              | Sodium Bisulfate Solution (1 g / 5 ml DI)                | Sodium Phosphate Tribasic (crystal)                |
| 6 N Sodium Hydroxide            | 10 N Sodium Hydroxide                   | 1:1 Sodium Hydroxide                                     | Sodium Phosphate Tribasic Solution (1 g / 5 ml DI) |
| 1 Molar Sodium Sulfite Solution | Sodium Sulfite (crystal)                | Zinc Acetate (crystal)                                   | 1 N Zinc Acetate                                   |
| Sodium Thiosulfate (crystal)    | 10% Sodium Thiosulfate                  | 0.1 N Sodium Thiosulfate                                 | 0.008% Sodium Thiosulfate                          |

NOTES:

a. Solid-top caps feature fluoropolymer resin liners. Open-top caps feature ultrasonically bonded 3.1mm (1/8") fluoropolymer resin/silicone septa.

This "Cleaning Protocol Form" is provided for your records and is used to facilitate any required correspondences as needed.

Date: 11/24/2025

Item Description: 40mL Clear Vials  
Open-Top Cap, Quality Assured

Lot Number: 112425-3BOL QLFV15900034

VWR Part No.: 89093-862

Protocol: B Level: PC

Chemical Lot No.: N/A



Chief Executive Officer  
Manufactured for VWR International

**Cleaning Protocol Form**

Validation Statement: The following containers were pre-cleaned according to one of three cleaning protocols listed below:

**Cleaning Protocol A:**

**Note:** Containers used in the analyses of: Metals, (Organics - Extractables BNAs, Pesticides/PCBs, - (Glass only)), Inorganics - Cyanide, Sulfide, Alkalinity, Anions as (Fluoride, Chlorides, Sulfate), Acidity, Hardness, (TOC, Oil & Grease, Phenolics - Glass only)

Protocol A - Glass Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed with 1:1 Nitric acid.
3. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
4. Oven Dried.

Protocol A - Plastic Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

**Cleaning Protocol B:**

**Note:** Containers used in the analysis of Organic - Purgeables (VOCs) and PCB Wipes.

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Oven Dried.

**Cleaning Protocol C:**

**Note:** Containers used in the analyses of: Inorganics - BOD, CBOD, COD, Residues as TSS, TS, TDS, Nitrogen Species (Ammonia, Nitrate, Nitrite)

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

This case is NOT preserved.

Stirbars: Yes  No

Bar-Coded: Yes  No

Tared Weight: Yes  No

**Level: Processed (PC) (X)**

Glassware / Plasticware received full Quality Assurance and Quality Control treatment. Containers, liners, and closures as applicable, are cleaned according to EPA recommended procedures and validated through a third party (NELAP) testing Laboratory. Each case of containers is custody sealed and labeled for traceability by Lot Number. C&G Containers, at its discretion, may change the cleaning protocol process(es) to ensure cleanliness in meeting analyte specifications or other requirements of this product.

**Available Preservatives:**

|                                 |   |  |  |
|---------------------------------|---|--|--|
| Ascorbic Acid (crystal)         | Ammonium Chloride (crystal)             | Deionized Water  | 1:1 Hydrochloric Acid                              |
| Methanol                        | 1:1 Nitric Acid                         | 18.8% - 19.6% Nitric Acid                                | 1:1 Phosphoric Acid                                |
| Potassium Acetate (crystal)     | Potassium Phosphate Monobasic (crystal) | Monochloroacetic Acid/ Potassium Acetate Buffer Solution | 1:1 Sulfuric Acid                                  |
| Sodium Azide (crystal)          | Sodium Bisulfate (crystal)              | Sodium Bisulfate Solution (1 g / 5 ml DI)                | Sodium Phosphate Tribasic (crystal)                |
| 6 N Sodium Hydroxide            | 10 N Sodium Hydroxide                   | 1:1 Sodium Hydroxide                                     | Sodium Phosphate Tribasic Solution (1 g / 5 ml DI) |
| 1 Molar Sodium Sulfite Solution | Sodium Sulfite (crystal)                | Zinc Acetate (crystal)                                   | 1 N Zinc Acetate                                   |
| Sodium Thiosulfate (crystal)    | 10% Sodium Thiosulfate                  | 0.1 N Sodium Thiosulfate                                 | 0.008% Sodium Thiosulfate                          |

NOTES:

- Solid-top caps feature fluoropolymer resin liners. Open-top caps feature ultrasonically bonded 3.1mm (1/8") fluoropolymer resin/silicone septa.

This "Cleaning Protocol Form" is provided for your records and is used to facilitate any required correspondences as needed.

Date: 11/24/2025

Item Description: 40mL Clear Vials  
Open-Top Cap, Quality Assured

Lot Number: 112425-3BOL QLFV15900034

VWR Part No.: 89093-862

Protocol: B Level: PC

Chemical Lot No.: N/A



Chief Executive Officer  
Manufactured for VWR International

**Cleaning Protocol Form**

Validation Statement: The following containers were pre-cleaned according to one of three cleaning protocols listed below:

**Cleaning Protocol A:**

**Note:** Containers used in the analyses of: Metals, (Organics - Extractables BNAs, Pesticides/PCBs, - (Glass only)), Inorganics - Cyanide, Sulfide, Alkalinity, Anions as (Fluoride, Chlorides, Sulfate), Acidity, Hardness, (TOC, Oil & Grease, Phenolics - Glass only)

Protocol A - Glass Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed with 1:1 Nitric acid.
3. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
4. Oven Dried.

Protocol A - Plastic Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

**Cleaning Protocol B:**

**Note:** Containers used in the analysis of Organic - Purgeables (VOCs) and PCB Wipes.

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Oven Dried.

**Cleaning Protocol C:**

**Note:** Containers used in the analyses of: Inorganics - BOD, CBOD, COD, Residues as TSS, TS, TDS, Nitrogen Species (Ammonia, Nitrate, Nitrite)

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

This case is NOT preserved.

Stirbars: Yes  No

Bar-Coded: Yes  No

Tared Weight: Yes  No

**Level: Processed (PC) (X)**

Glassware / Plasticware received full Quality Assurance and Quality Control treatment. Containers, liners, and closures as applicable, are cleaned according to EPA recommended procedures and validated through a third party (NELAP) testing Laboratory. Each case of containers is custody sealed and labeled for traceability by Lot Number. C&G Containers, at its discretion, may change the cleaning protocol process(es) to ensure cleanliness in meeting analyte specifications or other requirements of this product.

**Available Preservatives:**

|                                 |   |  |  |
|---------------------------------|---|--|--|
| Ascorbic Acid (crystal)         | Ammonium Chloride (crystal)             | Deionized Water  | 1:1 Hydrochloric Acid                              |
| Methanol                        | 1:1 Nitric Acid                         | 18.8% - 19.6% Nitric Acid                                | 1:1 Phosphoric Acid                                |
| Potassium Acetate (crystal)     | Potassium Phosphate Monobasic (crystal) | Monochloroacetic Acid/ Potassium Acetate Buffer Solution | 1:1 Sulfuric Acid                                  |
| Sodium Azide (crystal)          | Sodium Bisulfate (crystal)              | Sodium Bisulfate Solution (1 g / 5 ml DI)                | Sodium Phosphate Tribasic (crystal)                |
| 6 N Sodium Hydroxide            | 10 N Sodium Hydroxide                   | 1:1 Sodium Hydroxide                                     | Sodium Phosphate Tribasic Solution (1 g / 5 ml DI) |
| 1 Molar Sodium Sulfite Solution | Sodium Sulfite (crystal)                | Zinc Acetate (crystal)                                   | 1 N Zinc Acetate                                   |
| Sodium Thiosulfate (crystal)    | 10% Sodium Thiosulfate                  | 0.1 N Sodium Thiosulfate                                 | 0.008% Sodium Thiosulfate                          |

NOTES:

- Solid-top caps feature fluoropolymer resin liners. Open-top caps feature ultrasonically bonded 3.1mm (1/8") fluoropolymer resin/silicone septa.

This "Cleaning Protocol Form" is provided for your records and is used to facilitate any required correspondences as needed.

Date: 11/24/2025

Item Description: 40mL Clear Vials  
Open-Top Cap, Quality Assured

Lot Number: 112425-3BOL QLFV15900034

VWR Part No.: 89093-862

Protocol: B Level: PC

Chemical Lot No.: N/A



Chief Executive Officer  
Manufactured for VWR International

**Cleaning Protocol Form**

Validation Statement: The following containers were pre-cleaned according to one of three cleaning protocols listed below:

**Cleaning Protocol A:**

**Note:** Containers used in the analyses of: Metals, (Organics - Extractables BNAs, Pesticides/PCBs, - (Glass only)), Inorganics - Cyanide, Sulfide, Alkalinity, Anions as (Fluoride, Chlorides, Sulfate), Acidity, Hardness, (TOC, Oil & Grease, Phenolics - Glass only)

Protocol A - Glass Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed with 1:1 Nitric acid.
3. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
4. Oven Dried.

Protocol A - Plastic Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

**Cleaning Protocol B:**

**Note:** Containers used in the analysis of Organic - Purgeables (VOCs) and PCB Wipes.

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Oven Dried.

**Cleaning Protocol C:**

**Note:** Containers used in the analyses of: Inorganics - BOD, CBOD, COD, Residues as TSS, TS, TDS, Nitrogen Species (Ammonia, Nitrate, Nitrite)

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

This case is NOT preserved.

Stirbars: Yes  No

Bar-Coded: Yes  No

Tared Weight: Yes  No

**Level: Processed (PC) (X)**

Glassware / Plasticware received full Quality Assurance and Quality Control treatment. Containers, liners, and closures as applicable, are cleaned according to EPA recommended procedures and validated through a third party (NELAP) testing Laboratory. Each case of containers is custody sealed and labeled for traceability by Lot Number. C&G Containers, at its discretion, may change the cleaning protocol process(es) to ensure cleanliness in meeting analyte specifications or other requirements of this product.

**Available Preservatives:**

|                                 |   |  |  |
|---------------------------------|---|--|--|
| Ascorbic Acid (crystal)         | Ammonium Chloride (crystal)             | Deionized Water  | 1:1 Hydrochloric Acid                              |
| Methanol                        | 1:1 Nitric Acid                         | 18.8% - 19.6% Nitric Acid                                | 1:1 Phosphoric Acid                                |
| Potassium Acetate (crystal)     | Potassium Phosphate Monobasic (crystal) | Monochloroacetic Acid/ Potassium Acetate Buffer Solution | 1:1 Sulfuric Acid                                  |
| Sodium Azide (crystal)          | Sodium Bisulfate (crystal)              | Sodium Bisulfate Solution (1 g / 5 ml DI)                | Sodium Phosphate Tribasic (crystal)                |
| 6 N Sodium Hydroxide            | 10 N Sodium Hydroxide                   | 1:1 Sodium Hydroxide                                     | Sodium Phosphate Tribasic Solution (1 g / 5 ml DI) |
| 1 Molar Sodium Sulfite Solution | Sodium Sulfite (crystal)                | Zinc Acetate (crystal)                                   | 1 N Zinc Acetate                                   |
| Sodium Thiosulfate (crystal)    | 10% Sodium Thiosulfate                  | 0.1 N Sodium Thiosulfate                                 | 0.008% Sodium Thiosulfate                          |

NOTES:

- a. Solid-top caps feature fluoropolymer resin liners. Open-top caps feature ultrasonically bonded 3.1mm (1/8") fluoropolymer resin/silicone septa.

This "Cleaning Protocol Form" is provided for your records and is used to facilitate any required correspondences as needed.

Date: 11/24/2025

Item Description: 40mL Clear Vials  
Open-Top Cap, Quality Assured

Lot Number: 112425-3BOL QLFV15900034

VWR Part No.: 89093-862

Protocol: B Level: PC

Chemical Lot No.: N/A



Chief Executive Officer  
Manufactured for VWR International

## Cleaning Protocol Form

Validation Statement: The following containers were pre-cleaned according to one of three cleaning protocols listed below:

### Cleaning Protocol A:

**Note:** Containers used in the analyses of: Metals, (Organics - Extractables BNAs, Pesticides/PCBs, - (Glass only)), Inorganics - Cyanide, Sulfide, Alkalinity, Anions as (Fluoride, Chlorides, Sulfate), Acidity, Hardness, (TOC, Oil & Grease, Phenolics - Glass only)

#### Protocol A - Glass Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed with 1:1 Nitric acid.
3. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
4. Oven Dried.

#### Protocol A - Plastic Containers

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

### Cleaning Protocol B:

**Note:** Containers used in the analysis of Organic - Purgeables (VOCs) and PCB Wipes.

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Oven Dried.

### Cleaning Protocol C:

**Note:** Containers used in the analyses of: Inorganics - BOD, CBOD, COD, Residues as TSS, TS, TDS, Nitrogen Species (Ammonia, Nitrate, Nitrite)

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
3. Oven Dried.

This case is NOT preserved.

Stirbars: Yes  No

Bar-Coded: Yes  No

Tared Weight: Yes  No

### Level: Processed (PC) (X)

Glassware / Plasticware received full Quality Assurance and Quality Control treatment. Containers, liners, and closures as applicable, are cleaned according to EPA recommended procedures and validated through a third party (NELAP) testing Laboratory. Each case of containers is custody sealed and labeled for traceability by Lot Number. C&G Containers, at its discretion, may change the cleaning protocol process(es) to ensure cleanliness in meeting analyte specifications or other requirements of this product.

### Available Preservatives:

|                                 |   |  |  |
|---------------------------------|---|--|--|
| Ascorbic Acid (crystal)         | Ammonium Chloride (crystal)             | Deionized Water  | 1:1 Hydrochloric Acid                              |
| Methanol                        | 1:1 Nitric Acid                         | 18.8% - 19.6% Nitric Acid                                | 1:1 Phosphoric Acid                                |
| Potassium Acetate (crystal)     | Potassium Phosphate Monobasic (crystal) | Monochloroacetic Acid/ Potassium Acetate Buffer Solution | 1:1 Sulfuric Acid                                  |
| Sodium Azide (crystal)          | Sodium Bisulfate (crystal)              | Sodium Bisulfate Solution (1 g / 5 ml DI)                | Sodium Phosphate Tribasic (crystal)                |
| 6 N Sodium Hydroxide            | 10 N Sodium Hydroxide                   | 1:1 Sodium Hydroxide                                     | Sodium Phosphate Tribasic Solution (1 g / 5 ml DI) |
| 1 Molar Sodium Sulfite Solution | Sodium Sulfite (crystal)                | Zinc Acetate (crystal)                                   | 1 N Zinc Acetate                                   |
| Sodium Thiosulfate (crystal)    | 10% Sodium Thiosulfate                  | 0.1 N Sodium Thiosulfate                                 | 0.008% Sodium Thiosulfate                          |

#### NOTES:

- Solid-top caps feature fluoropolymer resin liners. Open-top caps feature ultrasonically bonded 3.1mm (1/8") fluoropolymer resin/silicone septa.

This "Cleaning Protocol Form" is provided for your records and is used to facilitate any required correspondences as needed.

Date: 11/24/2025

Item Description: 40mL Clear Vials  
Open-Top Cap, Quality Assured

Lot Number: 112425-3BOL QLFV15900034

VWR Part No.: 89093-862

Protocol: B Level: PC

Chemical Lot No.: N/A



Chief Executive Officer  
Manufactured for VWR International