

Cleaning Protocol Form

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

Cleaning Protocol A: X

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: 7/1/2025

Item Description: 1000mL Cylinder Bottles
HDPE, Processed

Lot Number: 063025-2 QLPY15900214

VWR Part No.: 89094-084

Protocol: A Level: PC

Chemical Lot No.: N/A


Chief Executive Officer
Manufactured for VWR International