

VWR

We Enable Science

CERTIFICATE OF ANALYSIS

This "Certificate of Analysis" represents a precleaned product that has been prepared in accordance with Performance-Based specifications. This product meets or exceeds analyte specifications established in the U. S. EPA OSWER Directive 9240.0-05A "Specification and Guidance for Contaminant-free Sample Containers" for use in Superfund and other Hazardous waste programs.

Group 1 Containers for Semivolatile Organics

Analyte	RL ug/L	Analyte	RL ug/L	Analyte	RL ug/L
1,1'-Biphenyl	0.2 U	Benzaldehyde	0.2 U	4,4'-DDD	0.012 U
1,2,4-Trichlorobenzene	0.2 U	Benzo(a)pyrene	0.1 U	4,4'-DDE	0.012 U
1,2-Dichlorobenzene	0.2 U	Benzo(b)fluoranthene	0.1 U	4,4'-DDT	0.012 U
1,3-Dichlorobenzene	0.2 U	Benzo(g,h,i)perylene	0.1 U	Aldrin	0.01 U
1,4-Dichlorobenzene	0.2 U	Benzo(k)fluoranthene	0.1 U	alpha-BHC	0.01 U
1-Methylnaphthalene	0.1 U	Bis(2-chloroethoxy)methane	0.2 U	beta-BHC	0.01 U
2,4,5-Trichlorophenol	0.2 U	Bis(2-chloroethyl)ether	0.2 U	Chlordane	0.12 U
2,4,6-Trichlorophenol	0.2 U	Bis(2-chloroisopropyl)ether	0.2 U	delta-BHC	0.01 U
2,4-Dichlorophenol	0.2 U	Bis(2-ethylhexyl)phthalate	0.2 U	Dieldrin	0.012 U
2,4-Dimethylphenol	0.2 U	Butyl benzyl phthalate	0.2 U	Endosulfan I	0.01 U
2,4-Dinitrophenol	1 U	Caprolactam	1 U	Endosulfan II	0.012 U
2,4-Dinitrotoluene	0.2 U	Carbazole	0.2 U	Endosulfan sulfate	0.012 U
2,6-Dinitrotoluene	0.2 U	Chrysene	0.1 U	Endrin	0.012 U
2-Chloronaphthalene	0.2 U	Dibenz(a,h)anthracene	0.1 U	Endrin aldehyde	0.012 U
2-Chlorophenol	0.2 U	Dibenzofuran	0.2 U	Endrin ketone	0.012 U
2-Methylnaphthalene	0.1 U	Diethyl phthalate	0.2 U	gamma-BHC (Lindane)	0.01 U
2-Methylphenol	0.2 U	Dimethyl phthalate	0.2 U	Heptachlor	0.01 U
2-Nitroaniline	0.2 U	Di-n-butyl phthalate	0.2 U	Heptachlor epoxide	0.01 U
2-Nitrophenol	0.2 U	Di-n-octyl phthalate	0.2 U	Methoxychlor	0.1 U
3&4-Methylphenol	0.2 U	Fluoranthene	0.1 U	Toxaphene	0.12 U
3,3'-Dichlorobenzidine	0.2 U	Fluorene	0.1 U	alpha-Chlordane	0.01 U
3-Nitroaniline	0.2 U	Hexachlorobenzene	0.2 U	gamma-Chlordane	0.01 U
4,6-Dinitro-2-methylphenol	1 U	Hexachlorobutadiene	0.2 U	Aroclor 1016	0.12 U
4-Bromophenyl phenyl ether	0.2 U	Hexachlorocyclopentadiene	0.2 U	Aroclor 1221	0.12 U
4-Chloro-3-methylphenol	0.2 U	Hexachloroethane	0.2 U	Aroclor 1232	0.12 U
4-Chloroaniline	0.2 U	Indeno(1,2,3-cd)pyrene	0.1 U	Aroclor 1242	0.12 U
4-Chlorophenyl phenyl ether	0.2 U	Isophorone	0.2 U	Aroclor 1248	0.12 U
4-Nitroaniline	0.2 U	Naphthalene	0.1 U	Aroclor 1254	0.12 U
4-Nitrophenol	1 U	Nitrobenzene	0.2 U	Aroclor 1260	0.12 U
Acenaphthene	0.1 U	N-Nitrosodimethylamine	0.2 U	Aroclor 1262	0.12 U
Acenaphthylene	0.1 U	N-Nitrosodiphenylamine	0.2 U	Aroclor 1268	0.12 U
Acetophenone	0.2 U	N-Nitrosodi-n-propylamine	0.2 U	DRO (WIDRO C10-C28)	0.10 U mg/L
Anthracene	0.1 U	Pentachlorophenol	0.2 U	DRO (WIDRO C10-C28)	10.0 U mg/Kg
Atrazine	0.2 U	Phenanthrene	0.1 U	Oil & Grease	5 U mg/L
Benz(a)anthracene	0.1 U	Phenol	0.2 U	Phenolics	0.05 U mg/L
		Pyrene	0.1 U	Total Organic Carbon	1.0 U mg/L
				TPH (TX1005 C6-C35)	50 U mg/Kg

NOTES:

- RL = Reporting Limit
- U = The analyte was analyzed for but not detected above the Reporting Limit.
- Bottles are Type III Soda Lime and vials are Type I Borosilicate.
- Solid-top caps feature fluoropolymer resin liners. Open-top caps feature ultrasonically bonded 3.1mm (1/8") fluoropolymer resin/silicone septa.

This "Certificate of Analysis" is provided for your records and is used to facilitate any required correspondences as needed.

This case is preserved. These containers are barcoded.

Each container contains: 5 mLs 1:1 Sulfuric Acid

Level: Quality Assured (QA) (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.

Part Number: QLFS89080078

Lot Number: 081125-1BOC

VWR Part No.: 89094-234

Date Product Prepared: 8/13/2025

Item Description: 1000mL Clear Wide Mouth Glass Jar

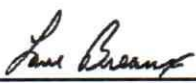
Chemical Lot Number: 24014170

Protocol: A

Level: QA

Chemical Expiry Date: 07/27/27

Group: 1 (applies)


 Chief Executive Officer
 Manufactured for VWR International

A (Glass)

3207 WILSON



CERTIFICATE OF ANALYSIS

Sulfuric Acid - (1:1)

This "Certificate of Analysis" represents a chemical preservative that has been prepared in accordance with Performance-Based specifications. This product meets or exceeds analyte specifications established in the U. S. EPA OSWER Directive 9240.0-05A "Specification and Guidance for Contaminant-free Sample Containers" for use in Superfund and other Hazardous waste programs.

The Sulfuric Acid used in preservation procedures is tested by a 3rd Party NELAC Laboratory prior to use for determination of potential inorganic contaminants based on the list below.

Inorganics

<u>Analyte</u>	<u>RL mg/L</u>	<u>Analyte</u>	<u>RL mg/L</u>
Ammonia (as Nitrogen)	1 U	Oil & Grease	5 U
Chemical Oxygen Demand (COD)	15 U	Total Organic Carbon (TOC)	1 U

NOTES:

- a. Reporting Limit (RL) = The lowest concentration standard analyzed which can be verified.
- b. U = The analyte was analyzed for but not detected above the Reporting Limit.
- c. Solid-top caps feature fluoropolymer resin liners. Open-top caps feature ultrasonically bonded 3.1mm (1/8") fluoropolymer resin/silicone septa.

The chemical added to this product may become altered depending upon storage conditions and elapsed time from the prepared date.

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Item Description: 1:1 Sulfuric Acid (Trace Metals Grade)

Lot Number: 24014170

Date Product Prepared: 08/13/25

Chemical Expiry Date: 07/27/27

Chief Executive Officer
Manufactured for VWR International