

Certificate of Analysis

25 Compound VOC Mix

Catalog Number: M-4600
Lot Number: 200427
Manufacture Date: 04/27/2020

Expiration: 04/30/2023
Solvent: P&T Methanol
Hazards: Irritant, Flammable, Carcinogen

<u>Analyte</u>	<u>CAS</u>	<u>Analyte Purity</u>	<u>Gravimetric Concentration (ug/mL)</u>		
Benzene	71-43-2	100%	100.0	±	0.71
Ethylbenzene	100-41-4	99.8%	100.0	±	0.71
Toluene	108-88-3	99.9%	100.0	±	0.70
o-Xylene	95-47-6	99.4%	100.0	±	0.70
m-Xylene	108-38-3	99.8%	100.0	±	0.70
p-Xylene	106-42-3	99.8%	100.0	±	0.71
Dichlorobromomethane	75-27-4	98.4%	100.0	±	0.71
Bromoform	75-25-2	99.7%	100.0	±	0.70
Chloroform	67-66-3	99.9%	100.0	±	0.71
Chlorodibromomethane	124-48-1	98.6%	100.0	±	0.70
Vinyl Chloride	75-01-4	99.9%	100.0	±	0.71
trans-1,2-Dichloroethylene	156-60-5	99.4%	100.0	±	0.70
1,1,2-Trichloroethane	79-00-5	97.3%	100.0	±	0.71
Chlorobenzene	108-90-7	100%	100.0	±	0.70
cis-1,2-Dichloroethene	156-59-2	98.9%	100.0	±	0.70
1,1-Dichloroethylene	75-35-4	100%	100.0	±	0.70
Trichloroethylene	79-01-6	98.6%	100.0	±	0.70
Tetrachloroethylene	127-18-4	99.9%	100.0	±	0.70
Dichloromethane	75-09-2	99.8%	100.0	±	0.70
1,4-Dichlorobenzene	106-46-7	99.9%	99.8	±	0.70
1,2-Dichlorobenzene	95-50-1	99.3%	100.0	±	0.70
1,1,1-Trichloroethane	71-55-6	99.9%	100.0	±	0.71
1,2-Dichloroethane	107-06-2	99.9%	100.0	±	0.71
Hexachlorobutadiene	87-68-3	97.7%	100.0	±	0.70
Styrene	100-42-5	100.0%	100.0	±	0.71

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Packaging, Storage, Instructions For Use

This standard is packaged in a flame-sealed ampule and must be stored at -10°C to -20°C. To use this standard, allow it to reach room temperature. Mix it gently by inversion. Inspect for precipitate. If present, sonicate for a few minutes to redissolve. Open the ampule and withdraw an aliquot appropriate for your application.

Traceability Information

Analyte Source Materials: The highest purity analyte source materials are used in the manufacture of this standard. The actual purity is referenced above.

Method: This standard was verified Volumetrically.

Balance: All analytical balances are calibrated on a semiannual basis by an ISO 17025 accredited calibration laboratory and are traceable to NIST. Traceable Calibration Certificate available upon request.

All balances are checked daily by an in-house standard operating procedure. The weights used for this daily verification are calibrated annually by an ISO 17025 accredited calibration laboratory and are certified traceable to NIST. Certificate of Calibration and Traceability available upon request.

Thermometer: All thermometers are NIST traceable through thermometers that are calibrated annually by an ISO 17025 accredited calibration laboratory.

Glassware: All glassware used in the manufacture of our standards is Class A. An in-house standard operating procedure is used to verify all glassware prior to it being placed into service. Volumetric pipetors are calibrated every four months by an ISO 17025 accredited calibration laboratory.

Intended Uses

- Calibration of analytical instruments
- Validation of analytical methods
- Preparation of working level reference materials, i.e. "check standards"
- Detection limit studies

Homogeneity

This standard was thoroughly mixed in production and is guaranteed homogenous.



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Ken Grzybowski

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