

Certificate Of Analysis

25 Compound VOC Mix

Catalog Number: M-4600 **Expiration:** 1/31/2030
Lot Number: NSI260102102 **Solvent:** P&T Methanol
Manufactured Date: 1/2/2026 **Hazards:** Irritant

<u>Analyte</u>	<u>CAS</u>	<u>Analyte Purity</u>	<u>Certified Concentration</u> (µg/mL)		<u>Uncertainty</u>
Hexachlorobutadiene	87-68-3	97%	100	±	0.70
Styrene	100-42-5	99%	100	±	0.71
Vinyl chloride	75-01-4	99.5%	100	±	0.71
Benzene	71-43-2	99.9%	100	±	0.70
Ethylbenzene	100-41-4	99.8%	100	±	0.71
Toluene	108-88-3	99.8%	100	±	0.71
o-Xylene	95-47-6	98%	100	±	0.70
m-Xylene	108-38-3	99%	100	±	0.70
p-Xylene	106-42-3	99%	100	±	0.71
Dichlorobromomethane	75-27-4	98%	100	±	0.71
Bromoform	75-25-2	96%	100	±	0.71
Chloroform	67-66-3	100%	99.9	±	0.70
Chlorodibromomethane	124-48-1	98%	99.9	±	0.70
trans-1,2-Dichloroethylene	156-60-5	98%	100	±	0.71
1,1,2-Trichloroethane	79-00-5	98%	100	±	0.71
Chlorobenzene	108-90-7	99.9%	99.9	±	0.70
cis-1,2-Dichloroethylene	156-59-2	99%	100	±	0.71
1,1-Dichloroethylene	75-35-4	99%	100	±	0.70
Trichloroethylene	79-01-6	99%	100	±	0.70
Tetrachloroethylene	127-18-4	99%	100	±	0.70
Dichloromethane	75-09-2	99.9%	99.9	±	0.70
1,4-Dichlorobenzene	106-46-7	99%	99.8	±	0.70

1,2-Dichlorobenzene	95-50-1	99%	100	±	0.70
1,1,1-Trichloroethane	71-55-6	99.5%	100	±	0.70
1,2-Dichloroethane	107-06-2	99.8%	100	±	0.71

This certified reference material (CRM) was manufactured and certified by NSI Lab Solutions (www.nsilabsolutions.com, www.zeptometrix.com) according to quality procedures meeting our accreditation requirements of ISO/IEC 17034:2016 and ISO/IEC 17025:2017. Our certificates and scopes of accreditation may be viewed at www.anab.org.

Packaging, Storage, Instructions For Use

This CRM is packaged in a flame-sealed ampule and must be stored at -10°C to -20°C. To use this CRM, 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 CRM was verified Volumetrically and Analytically

Balance: All analytical balances are calibrated on a semiannual basis by an ISO/IEC 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/IEC 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/IEC 17025 accredited calibration laboratory.

Certified Concentration: Certified concentration is the made to manufacture value corrected for the determined analyte purity.

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 CRM was thoroughly mixed in production and is guaranteed homogenous.



Ken Grzybowski

Ken Grzybowski, Operations Manager

Hunter Fazler

Hunter Fazler, Quality Lead



ISO 9001:2015 UL Registered Firm - Certificate # 10002343 QM15