



Certificate of Analysis

2,3-dibromopropionamide QC Sample

Catalog Number: CQC-035

Lot Number: 052417A

Expiration Date: 2022-05-31

Solvent: Acetone

Hazards: Flammable, Irritant

| <u>Analyte</u> | <u>CAS</u> | <u>Purity</u> | <u>Certified Concentration (ug/L)</u> | <u>Acceptance Limits (ug/L)</u> |
|-------------------------|------------|---------------|---------------------------------------|---------------------------------|
| 2,3-dibromopropionamide | 15102-42-0 | 99.50% | 33.0 ± 0.307 | 16.5 - 49.5 |

Package, Storage, Instructions For Use

This Standard is packaged in a flame-sealed ampoule and must be stored at 2-8°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.

Allow the ampule to equilibrate to room temperature. Fill a 1000mL Class A flask to volume with about 900mL organic free reagent water. Pipet exactly 1.0mL of the ampule concentrate into the flask. Bring the flask to volume with reagent water and mix well. This represents the sample for analysis by your normal method. report in unit of ug/L.

Certified concentration is based upon the gravimetric true value when prepared according to instructions. Acceptance limits are based upon USEPA Drinking Water and Non-Potable Water Interlaboratory Studies

Traceability Information

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

Method: The Standard was verified gravimetrically

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 samples 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.



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Intended Uses

- Validation of analytical methods
- Detection limit studies
- Analyst proficiency testing

Homogeneity

This standard was thoroughly mixed in production and is guaranteed homogenous

Mike Birckhead

Mike Birckhead, Organics Department Manager

Cynthia K. Loftus

Cynthia K. Loftus, Quality Manager

Mark Hammersla

Mark Hammersla, President



REFERENCE MATERIAL PRODUCER
ISO Guide 34:2009
Certificate AR-1571

ISO 9001:2008 UL Registered Firm - Certificate # 10002343 QM08

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TESTING
ISO/IEC 17025:2005
Certificate AT-1690