

Product Information Sheet

Hydrazine Quality Control Sample

Catalog Number: CQC-062
Lot Number: 260428
Manufacture Date: 04/29/26

Expiration: 05/31/2030
Matrix: 1N HCl
Hazards: Irritant, Corrosive

<u>Analyte</u>	<u>Certified Concentration</u> (ppb)	<u>Acceptance Limits</u> (ppb)
Hydrazine dihydrochloride as N ₂ H ₄	39.3 ± 0.181	27.5 - 51.1

Packaging, Storage, Instructions For Use

Store at room temperature (15-30°C).

This reference material is packaged in amber ampules. Fill a 1000 mL Class A volumetric flask with about 50 mL of reagent water. Mix ampule contents gently by inversion 3-5 times. Open the ampule and pipet exactly 1 mL of the concentrate into the flask. Bring to volume with reagent water and mix well. Analyze immediately by your usual methods.

Traceability Information

Analyte Source Materials: The highest purity analyte source materials are used in the manufacture of this reference material.

Method: This reference material 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 reference materials 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

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



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Uncertainty

The $\pm$ uncertainty associated with the concentration is the expanded manufacturing uncertainty at 95% confidence interval (CI) with K=2.

Homogeneity

This reference material was thoroughly mixed in production and is guaranteed homogeneous.

Ewart Morris

Ewart Morris, Inorganics Technical Manager

Hunter Fazler

Hunter Fazler, Quality Lead