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7212 ACC Blvd. | Raleigh, NC 27617 | 800.234.7837

Certificate of Analysis

Picric Acid

Catalog Number: CQC-066
Lot Number: NSI-PT260828102
Manufacture Date: 08/28/2026
Expiration: 08/31/2029
Solvent: Methanol
Hazards: Irritant, Flammable

Analyte	CAS	Analyte Purity	Gravimetric Concentration (ug/L)	Acceptance Limits (ug/L)
Picric acid	88-89-1	99.9%	150 ± 1.40	90 - 211

This certified reference material (CRM) was manufactured and certified by NSI Lab Solutions according to quality procedures meeting our accreditation requirements of ISO 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 2°C to 8°C. To use this CRM, allow it to reach room temperature. Open the ampule and withdraw an aliquot appropriate for your application. Mix it gently by inversion. Inspect for precipitate. If present, sonicate for a few minutes to redissolve.

Fill a 1000 mL Class A flask with about 900 mL organic free reagent water. Pipet exactly 1.0 mL 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 units of ug/L.

Certified concentration is based upon the gravimetric/volumetric 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 standard. The actual purity is referenced above.

Method: This CRM was verified Volumetrically/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.

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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 CRM was thoroughly mixed in production and is guaranteed homogenous.

Ken Grzybowski

Ken Grzybowski, Organics Department Manager

Brad Lake

Hunter Fazler, Quality Lead