

Certificate of Analysis

Picric Acid, Saturated, approximately 1.2% (w/v)

Lot Number: 1402C16

Product Number: 5860

Manufacture Date: FEB 14, 2024

Expiration Date: FEB 2026

For In Vitro Diagnostic Use. This product is certified suitable as a general use solution for staining applications and other procedures where a saturated solution of Picric Acid in high purity Water is required. Consult standard texts and operating procedures for detailed instructions. Store this saturated solution at a temperature above 15°C (59°F) to minimize formation of crystals of Picric Acid. It is not unusual for this product to form crystals on the bottom of the bottles if it is subjected to low temperatures during shipment or storage. If the bottle is intact, the solution is still suitable for use after the crystals have been redissolved by placing the bottle in a warm location and agitating occasionally. Aqueous solutions of Picric Acid are not explosive; however, dry Picric Acid crystals explode when heated rapidly or subjected to percussion. Do not allow this solution to dry out completely. Consult the Safety Data Sheet.

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Picric Acid	88-89-1	ACS

Test	Specification	Result
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Appearance	Yellow liquid	Passed
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Volumetric glassware complies with Class A tolerance requirements of ASTM E 288 and NIST Circular 434; it is calibrated before first use and recalibrated regularly in accordance with ASTM E 542 and NIST Procedure NBSIR 74-461. Balances are calibrated regularly with weights certified traceable to the NIST national mass standard. Thermometers and temperature probes are calibrated before first use and recalibrated regularly with a thermometer traceable to NIST standards. All products are prepared according to master documents that assure manufacture according to validated methods. Batch records document raw material traceability and production and testing history for each lot manufactured.

Part Number	Size / Package Type	Shelf Life (Unopened Container)
5860-1	4 L natural poly	24 months
5860-16	500 mL natural poly	24 months
5860-32	1 L natural poly	24 months
R5860000-100A	100 mL natural poly	24 months

Recommended Storage: 15°C - 30°C (59°F - 86°F)



Heidi J Green (02/14/2024)

Operations Manager

This document is designed to comply with ISO Guide 31 "Reference Materials -- Contents of Certificates and Labels."

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