RICCA CHEMICAL COMPANY®

1490 Lammers Pike
Batesville, IN 47006
http://www.riccachemical.com
1-888-GO-RICCA
customerservice@riccachemical.com

Certificate of Analysis

Bromate-Bromide Solution, 0.500 Normal (N/2), 0.250 Molar as Br_2

Lot Number: 46091857 **Product Number:** 1172

Manufacture Date: SEP 24, 2026
Expiration Date: SEP 2028

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Bromide	7758-02-3	ACS
Potassium Bromate	7758-01-2	ACS

Test	Specification	Result	NIST SRM#
Appearance	Colorless liquid	Passed	
Assay (vs. Potassium Iodate/Starch)	0.4998-0.5002 N at 20°C	0.5001 N at 20°C	136

Specification	Reference
Bromide-Bromate, Standard Solution (0.2500 M as Br2)	ASTM (D 1159)

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)
1172-32	1 L amber glass	24 months

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

Jose Pena (09/24/2026)
Plant Manager I

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