

Certificate of Analysis

Boron ICP Standard, 100 ppm B in H₂O

Lot Number: 4404F59

Product Number: RPB100W0

Manufacture Date: APR 10, 2024

Expiration Date: MAR 2025

This is a single element solution that was prepared volumetrically to contain the certified value reported. The uncertainty associated with the certified value is the sum of the estimated errors due to the purity of the raw material, the volumetric preparation of the solution, and transpiration of the solution through the container wall.

The final solution concentration is confirmed by AA, ICP, or ICP-MS, and is traceable to NIST Standard Reference Material 3107.

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Ammonium Tetrafluoroborate	13826-83-0	High Purity

Test	Specification	Result	NIST SRM#
Appearance	Colorless liquid	Passed	
Boron (B)	99-101 ppm	100 ppm	3107

This standard is guaranteed to be stable and accurate provided the product is kept tightly capped and stored under normal laboratory conditions. Balances are calibrated using NIST traceable weights whose verification of maintenance and recalibration is documented per in-house Standard Operating Procedures. Class A glassware is also calibrated and routinely rechecked per in-house Standard Operating Procedures. Trace metal analyzed acids and Trace Metals Analyzed Water are used in the manufacture of this product. Triple cleaned containers are used in the manufacture of this product.

Part Number	Size / Package Type	Shelf Life (Unopened Container)
RPB100W0-100N	100 mL natural LDPE	12 months

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



Paul Brandon (04/10/2024)

Production Manager

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

This test report shall not be reproduced, except in full, without the written approval of Ricca Chemical Company.