

# Certificate of Analysis

## Ionic Strength Adjustor, pH Indicating and Adjusting, for use with Ammonia Selective Electrode

**Lot Number:** 4311B67

**Product Number:** 4128

**Manufacture Date:** NOV 01, 2023

**Expiration Date:** OCT 2025

Typically, immerse electrode and with stirring then add 2 mL of this solution to 100 mL of each Ammonia Sample and Standard. If each sample solution does not turn and remain Blue after this addition, add additional 1 mL amounts of this product until a Blue color remains, indicating the correct pH range for the Ammonia Selective Electrode Method has been attained. Add the same additional amount, if any, to all of the standards. All lots of this product are tested and certified suitable for use in tests for Ammonia, Ammonia Nitrogen, or Ammonium Ion when using an appropriate Ammonia Selective Electrode Test Method.

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Hydroxide	1310-73-2	Reagent
Methyl Alcohol	67-56-1	ACS
Ethylenediaminetetraacetic Acid (EDTA), Disodium Salt, Dihydrate	6381-92-6	ACS
Thymolphthalein	125-20-2	ACS

Test	Specification	Result
Ammonia (NH <sub>3</sub> )	To Pass Test	Passed
Appearance	Dark blue liquid	Passed

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)
4128-16	500 mL natural poly	24 months
4128-32	1 L natural poly	24 months

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



Paul Brandon (11/01/2023)

Production Manager

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

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