

CERTIFICATE OF ANALYSIS

Product: **Hydrochloric Acid, 1.0 N (1.0 M)**
Date of Manufacture: 9/5/25
Expiration Date: July 2027
Intended Use: General Laboratory Reagent/Chemical.
Recommended Storage: 15 to 25 °C (59 to 77 °F)
Product Code: CP-B2413P
Lot Number: **8510337**
Country of Origin: United States of America

Standardized against NIST SRM Tris(hydroxymethyl)aminomethane, 723

Test	Specification	Result
Appearance	Colorless	Colorless
Assay (vs. Tris(hydroxymethyl)aminomethane)	0.998 - 1.002Normal	1.001Normal

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.



Quality Control, Certifying Officer

This Certificate of Analysis is designed to comply with ISO Guide 31 "Reference Materials**Contents of Certificates and Labels".



39103 Warren Road
Westland, MI 48185
1.734.884.4773 Chempurebrand.com

CERTIFICATE OF ANALYSIS

Product: **Sodium Hydroxide, 0.10 N**
Date of Manufacture: 10/1/25
Expiration Date: October 2027
Intended Use: General Laboratory Reagent/Chemical.
Recommended Storage: 15 to 25 °C (59 to 77 °F)
Product Code: CP-B2435P, CP-E2435, CP-C2435P
Lot Number: **8510338**
Country of Origin: United States of America

Standardized against NIST SRM Potassium Hydrogen Phthalate, 84

Test	Specification	Result
Appearance	Colorless	colorless
Assay (vs. Potassium Hydrogen Phthalate/Phenolphthalein)	0.0995 - 0.1005Normal	0.0996Normal

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.

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