

Certificate of Analysis

Hydrochloric Acid R1, 250 g/L HCl

Lot Number: 2405B63

Product Number: 3557

Manufacture Date: MAY 02, 2024

Expiration Date: APR 2027

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Hydrochloric Acid	7647-01-0	ACS

Test	Specification	Result	NIST SRM#
Appearance	Colorless to slightly greenish-yellow liquid	Passed	
Assay (vs. Sodium Hydroxide/Phenolphthalein)	249.4-250.6 g/L HCl	250.0 g/L HCl	84

Specification	Reference
---------------	-----------

Hydrochloric acid R1 EP (1043501)

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)
3557-16	500 mL natural poly	36 months
3557-32	1 L natural poly	36 months

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



Jose Pena (05/02/2024)
 Operations Manager

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