

Product Specification

Hydrochloric Acid, 5.00 Normal, from NF/USP materials

Lot Number: SAMPLE**Product Number:** R3741112**Manufacture Date:** N/A**Expiration Date:** N/A

This product is produced from NF Grade Hydrochloric Acid in USP Purified Water. It is produced in a FDA-registered facility that meets GMP requirements as set forth in the Quality System Regulations 21 CFR 820.

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

Test	Specification	Result	NIST SRM#
Appearance	Colorless to slightly greenish-yellow liquid	N/A	
Assay (vs. Sodium Hydroxide/Methyl Red)	4.995-5.005 N at 20°C	N/A	84
Free Bromine or Chlorine	To Pass Test	N/A	
Heavy Metals (as Pb)	max 5.0 ppm	N/A	
Identification - Chloride	To Pass Test	N/A	
Residue after Ignition	max 0.008 %	N/A	
Sulfate (SO ₄)	To Pass Test	N/A	
Sulfite (SO ₃)	To Pass Test	N/A	

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)
R3741112-500A	1 L natural poly	24 months
R3741112-500A	500 mL natural poly	24 months

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

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