RICCA CHEMICAL COMPANY®

Certificate of Analysis

Hydrochloric Acid, 0.100 Normal (N/10)

Lot Number: 4404L65

Product Number: 3600

Manufacture Date: APR 24, 2024 Expiration Date: OCT 2024

The certified value for this product is confirmed in independent testing by a second qualified chemist.

Name	CAS#	Grade		
Water	7732-18-5	ACS/AS	TM/USP/EP	
Hydrochloric Acid	7647-01-0	ACS		
Test	Specification		Result	NIST SRM#
Appearance	Colorless liquid		Passed	
Assay (vs. Tris(hydroxymethyl)aminomethane/Methyl Red)	0.0999-0.1001 N	at 20°C	0.0999 N at 20°C	723
Specification	Reference			
Hydrochloric acid, 0.1 N	TAPPI (T 625 cm-85)			
Hydrochloric acid, 0.1 N	TAPPI (T 504 cm-97)			
Standard hydrochloric acid, 0.1 N	APHA (2320 B)			
Hydrochloric Acid, 0.1 N	APHA (3500-Se C)			
Standardized 0.1 N HCl	TAPPI (T 611 cm-97)			
Hydrochloric Acid Standard Solution (0.10 N)	ASTM (D 2187 F)			
Standard Hydrochloric Acid, 0.1 N	EPA (310.1)			
Hydrochloric acid, 0.1 N	TAPPI (T 607 cm-84)			
Hydrochloric Acid (0.1 M)	EPA (SW-846) (7472)			
Hydrochloric Acid (0.1 M)	EPA (SW-846) (7063)			
Hydrochloric acid, 0.1 N		TAPPI (T 418 cm-97)		
Hydrochloric Acid, 0.1 N	EPA (SW-846) (8315A)			
Hydrochloric acid, 0.1 N	TAPPI (T 254 cm-85)			
Hydrochloric Acid, Standard Solution (0.10 N)	ASTM (D 2187 G)			
Hydrochloric acid, 0.1 N	TAPPI (T 237 om-93)			
Hydrochloric acid, 0.1 N		TAPPI (T 610 sp-97)		
Hydrochloric Acid, Standard (0.1 N)	ASTM (D 2187 H)			
Standardized 0.1 N hydrochloric acid	TAPPI (T 553 pm-92)			
Hydrochloric Acid, Standard Solution (0.10 N)	ASTM (D 2187 I)			
Hydrochloric Acid, Standard Solution (0.10 N)	ASTM (D 2187 K)			
0.1 M Hydrochloric acid Volumetric Solution		EP (3002100)		
Hydrochloric Acid, Tenth-Normal (0.1 N) Volume	tric Solution	USP (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)		
3600-5	20 L Cubitainer®	24 months		
Recommended Storage: 15°C - 30°C (59°F - 86°F)				

Paul Brandon

Paul Brandon (04/24/2024) Production Manager

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