

Certificate of Analysis

Product: Hydrochloric Acid
Item Number: HCLS37
Grade: Semiconductor
Lot Number: 220719
Manufacture Date: 07/01/2022
Expiration Date: 06/30/2024
Country of Origin: United States

Tested Property	Specification	Analysis
Assay	36.5 - 38.0%	37.1%
Appearance	Colorless and free from suspended matter or sedimen	Pass
Color, APHA	10	5
Residue after ignition	5 ppm	1 ppm
Bromide (Br)	0.005%	<.005%
Sulfate (SO ₄)	1 ppm	0.2 ppm
Sulfite (SO ₃)	1 ppm	0.2 ppm
Extractable Organic Substances	5 ppm	<5 ppm
Free Chlorine (Cl)	1 ppm	<1 ppm
Ammonium (NH ₄)	3 ppm	1 ppm
Arsenic (As)	0.01 ppm	0.0001 ppm
Heavy Metals (as Pb)	1 ppm	0.2 ppm
Iron (Fe)	0.2 ppm	0.05 ppm

Hydrochloric Acid

Note: The information and recommendations of Lab Alley concerning this product are based upon laboratory tests and experience. To the best of our knowledge and belief these are true and accurate, however Lab Alley assumes no obligation or liability for the information in this document. Since conditions of actual use are beyond our control, any recommendations or suggestions regarding merchantability and fitness for particular purposes are made without warranty, expressed or implied.

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