



Certificate of Analysis

Product: Hydrochloric Acid 37% Solution
Item Number: HCLA37
Grade: ACS/Reagent
Lot Number: 230222
Manufacture Date: 02/22/2023
Expiration Date: 02/21/2025
Country of Origin: United States

Tested Property	Specification	Analysis
Appearance	Colorless and free from suspended matter or sediment	Pass
Assay	36.5 - 38%	37.51
Color (APHA)	10	5
Residue after Ignition	5 ppm	1
Bromide (Br)	0.005%	<0.005
Sulfate (SO ₄)	1 ppm	0.2
Sulfite (SO ₃)	1 ppm	0.2
Extractable Organic Substances	5 ppm	<5
Free Chlorine (Cl)	1 ppm	<1
Ammonium (NH ₄)	3 ppm	1
Arsenic (As)	0.01 ppm	0.0001
Heavy Metals (as Pb)	1 ppm	0.2
Iron (Fe)	0.2 ppm	0.05
Appearance	Colorless to slightly yellow, free from sus. matter/sediment	Pass
Assay	36.5 - 38%	37.51
Color (APHA)	10	5
Residue after Ignition	5 ppm	1
Bromide (Br)	0.005%	<0.005
Sulfate (SO ₄)	1 ppm	0.2
Sulfite (SO ₃)	1 ppm	0.2

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Arsenic (As)	0.01 ppm	0.0001
Heavy Metals (as Pb)	1 ppm	0.2
Iron (Fe)	0.2 ppm	0.05

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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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