

Certificate of Analysis



500318
A4750-2.5L

Date of Release: 12/20/2024
 Name: Ammonium Hydroxide
 GH ACS
 Meets ACS Specifications
 Item No: AX1303 all size codes
 Lot / Batch No: 2024121102
 Country of Origin: USA

Characteristic	Requirement		Results	Units
	Min.	Max.		
Aluminum (Al)		0.3	< 0.03	ppm
Appearance			Colorless and free of suspended matter	
Assay (as NH3)	28.0	30.0	29.70	%
Calcium (Ca)		0.3	< 0.03	ppm
Carbon dioxide (CO2)		0.002	< 0.002	%
Chloride (Cl)		0.5	< 0.5	ppm
Chromium (Cr)		0.3	< 0.03	ppm
Copper (Cu)		0.1	< 0.01	ppm
Gold (Au)		0.3	< 0.03	ppm
Heavy Metals (by ICP-OES)		0.5	0.5	ppm
Iron (Fe)		0.2	0.20	ppm
Lead (Pb)		0.2	< 0.02	ppm
Magnesium (Mg)		0.3	< 0.03	ppm
Manganese (Mn)		0.2	< 0.02	ppm
Nickel (Ni)		0.1	< 0.01	ppm
Nitrate (NO3)		2	< 2	ppm
Phosphate (PO4)		2	< 2	ppm
Potassium (K)		0.3	< 0.03	ppm
Residue after ignition		0.002	< 0.002	%
Sodium (Na)		0.3	< 0.03	ppm
Substances reducing permanganate			Passes test	
Sulfate (SO4)		2	< 2	ppm
Tin (Sn)		0.3	< 0.03	ppm
Titanium (Ti)		0.3	< 0.03	ppm
Zinc (Zn)		0.3	< 0.03	ppm

Michael Hutchinson,

 Quality Control Manager

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