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Certificate of Analysis

Product **96452 - Ammonium Chloride ACS, ExiPlus,
Multi-Compendial, 99.5% - [12125-02-9]**

Batch No **7197027**
Analysis Date 05-May-2024
Date of Manufacture May 2024
Expiry Date/Re-Test Date May 2029
Molecular Formula NH₄Cl
Molecular Weight 53.49

Test Parameters	Standards	Actual Results
ExiPlus	meets compendial specs of USP, BP	Passes
Appearance (Colour)	White	White
Appearance (Form)	Crystalline powder	Crystalline powder
Solubility (Turbidity) 10% aq. solution	Clear	Clear
Solubility (Colour) 10% aq. solution	Colourless	Colourless
Assay (AT)	min. 99.5%	99.6%
Insoluble matter	max. 0.001%	0.0002%
Residue on ignition	max. 0.01%	0.005%
pH (5% aq. solution)	4.5 - 5.5	4.8
Loss on drying	max. 0.5%	0.2%
Sulphated Ash	max. 0.1%	0.004%
Sulphate (SO ₄)	max. 0.0001%	Passes
Iron (Fe)	max. 0.0001%	Passes
Phosphate (PO ₄)	max. 0.0002%	Passes
Heavy Metals (Pb)	max. 0.0002%	Passes
Copper (Cu)	max. 0.0001%	Passes
Calcium (Ca)	max. 0.001%	Passes
Magnesium (Mg)	max. 0.0002%	Passes
Pyridine & Homologues	max. 0.001%	Passes
Potassium (K)	max.0.005%	Passes
Sodium (Na)	max.0.005%	Passes
Arsenic (As)	max. 0.0004%	Passes
Bromide & Iodide	Passes test	Passes
Acidity or alkalinity	NMT. 0.5 ml	0.1 ml
Limit of Thiocyanate	Passes test	Passes

FRM/82/11/4/96452 Rev No. 4 Date 24/08/2023

Prepared by **ThakurRohit**

In compliance with the standard specifications of SRL

Plant Site 2 : H-4, MIDC, Taloja – 410 208, Maharashtra, India

608-B, Satellite Gazebo, Andheri Ghatkopar Link Road,
Chakala, Andheri (E), Mumbai - 400 099. India. ☎ +91-22-4268 5800

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