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Certificate of Analysis

Product **82615 - Ammonium Molybdate Tetrahydrate extrapure AR, ACS, ExiPlus, Multi-Compendial, 99% - [12054-85-2]**

Batch No **8052021**

Analysis Date 13-Apr-2024

Date of Manufacture April 2024

Expiry Date/Re-Test Date April 2029

Molecular Formula (NH₄)₆Mo₇O₂₄.4H₂O

Molecular Weight 1235.86

Test Parameters	Standards	Actual Results
ExiPlus	meets compendial specs of USP, BP, Ph.Eur	Passes
Appearance (Colour)	White	White
Appearance (Form)	Crystalline powder	Crystalline powder
Solubility (Turbidity) 10% hot aq. solution	Clear	Clear
Solubility (Colour) 10% hot aq. solution	Colourless	Colourless
Assay (T)	min. 99%	99.5%
Assay (as MoO ₃)	81.0-83.0%	81.1%
Insoluble matter	max. 0.005%	0.001%
Chloride (Cl)	max. 0.0005%	Passes
Sulphate (SO ₄)	max. 0.005%	Passes
Iron (Fe)	max. 0.0005%	Passes
Heavy Metals (Pb)	max. 0.001%	Passes
Nitrate (NO ₃)	max. 0.002%	Passes
Arsenate, Phosphate and Silicate (PO ₄)	max. 0.0005%	Passes
Magnesium (Mg)	max. 0.005%	Passes
Potassium (K)	max. 0.01%	Passes
Sodium (Na)	max. 0.01%	Passes

FRM/82/11/4/82615 Rev No. 4 Date 03/07/2022

Prepared by Prasad

In compliance with the standard specifications of SRL

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

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