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Certificate of Analysis

Product	42077 - Ammonium Ceric Nitrate extrapure AR, ACS, ExiPlus, Multi-Compendial, 99% - [16774-21-3]
Batch No	1062802
Analysis Date	10-Apr-2024
Date of Manufacture	April 2024
Expiry Date/Re-Test Date	April 2029
Molecular Formula	(NH ₄) ₂ Ce(NO ₃) ₆
Molecular Weight	548.23

Test Parameters	Standards	Actual Results
ExiPlus	meets compendial specs of BP	Passes
Appearance (Colour)	Orange-red to orange -yellow	Orange red
Appearance (Form)	Crystalline powder	Crystalline powder
Solubility (Turbidity) 10% solution in hot 5N H ₂ SO ₄	Clear	Clear
Solubility (Colour) 10% solution in hot 5N H ₂ SO ₄	Orange-red to orange -yellow	Orange red
Assay (Iodometric)	min. 99%	99.4%
Loss on drying at 105°C	max. 3.0%	1.00 %
Insoluble matter	max. 0.001%	0.0006%
Chloride (Cl)	max. 0.001%	Passes
Iron (Fe)	max. 0.002%	Passes
Heavy Metals (Pb)	max. 0.001%	Passes
Phosphate (PO ₄)	max. 0.001%	Passes
Copper (Cu)	max. 0.001%	Passes
Sodium (Na)	max. 0.005%	Passes

FRM/82/11/4/42077 Rev No. 2 Date 09/09/2018

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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1/1

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