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## Certificate of Analysis

**Product** 23757 - Ammonium Ceric Sulphate Dihydrate ACS, 99%  
- [10378-47-9]  
**Batch No** 8646070  
**Analysis Date** 11-Jun-2024  
**Date of Manufacture** June 2024  
**Expiry Date/Re-Test Date** June 2029  
**Molecular Formula** (NH<sub>4</sub>)<sub>4</sub>Ce(SO<sub>4</sub>)<sub>4</sub>.2H<sub>2</sub>O  
**Molecular Weight** 632.55

Test Parameters	Standards	Actual Results
Appearance (Colour)	Orange to Orange yellow	Orange yellow
Appearance (Form)	Crystalline powder	Crystalline powder
Solubility (Turbidity) 10% solution in hot 5N H <sub>2</sub> SO <sub>4</sub>	Clear	Clear
Solubility (Colour) 10% solution in hot 5N H <sub>2</sub> SO <sub>4</sub>	Orange yellow	Orange yellow
Assay (Iodometric)	min. 99%	99.5%
Insoluble matter	max. 0.05%	0.002%
Chloride (Cl)	max. 0.001%	Passes
Iron (Fe)	max. 0.005%	Passes
Heavy Metals (Pb)	max. 0.002%	Passes
Phosphate (PO <sub>4</sub> )	max. 0.005%	Passes
Copper (Cu)	max. 0.002%	Passes
Sodium (Na)	max. 0.005%	Passes
Potassium (K)	max. 0.005%	Passes
Calcium (Ca)	max. 0.001%	Passes

FRM/82/11/4/23757 Rev No. 3 Date 23/08/2023

Prepared by ThakurRohit

In compliance with the standard specifications of SRL

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

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