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Certificate of Analysis

Product	29168 - Ammonium Ferric Sulphate Dodecahydrate extrapure AR, ACS, 99% - [7783-83-7]
Batch No	9112761
Analysis Date	05-May-2024
Date of Manufacture	May 2024
Expiry Date/Re-Test Date	May 2029
Molecular Formula	NH ₄ Fe(SO ₄) ₂ ·12H ₂ O
Molecular Weight	482.18

Test Parameters	Standards	Actual Results
Appearance (Colour)	Pale violet to almost white	Pale violet
Appearance (Form)	Crystals or crystalline powder	Crystals
Solubility (Turbidity) 10% aq. solution	Clear	Clear
Assay (Iodometric)	min. 99%	99.3%
pH (5% aq. solution)	2.0 - 5.0	2.04
Insoluble matter	max. 0.003%	0.002%
Chloride (Cl)	max. 0.0005%	Passes
Heavy Metals (Pb)	max. 0.002%	Passes
Phosphate (PO ₄)	max. 0.003%	Passes
Copper (Cu)	max. 0.001%	Passes
Potassium (K)	max. 0.002%	Passes
Sodium (Na)	max. 0.002%	Passes
Nitrate (NO ₃)	max. 0.01%	Passes
Calcium (Ca)	max. 0.001%	Passes
Zinc (Zn)	max. 0.001%	Passes
Magnesium (Mg)	max. 0.001%	Passes
Manganese (Mn)	max. 0.001%	Passes
Ferrous iron (Fe ⁺⁺)	Passes test	Passes

FRM/82/11/4/29168 Rev No. 3 Date 24/08/2023

Prepared by Dnyaneshwar

In compliance with the standard specifications of SRL

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

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