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Certificate of Analysis

Product	61732 - Ammonium Ferrous Sulphate Hexahydrate extrapure AR, ACS, 99% - [7783-85-9]
Batch No	8913202
Analysis Date	04-May-2024
Date of Manufacture	May 2024
Expiry Date/Re-Test Date	May 2029
Molecular Formula	(NH ₄) ₂ SO ₄ ·FeSO ₄ ·6H ₂ O
Molecular Weight	392.13

Test Parameters	Standards	Actual Results
Appearance (Colour)	Pale green	Pale green
Appearance (Form)	Crystalline powder	Crystalline powder
Solubility (Turbidity) 10% aq. solution with 1ml dilute H ₂ SO ₄	Clear	Clear
Solubility (Colour) 10% aq. solution with 1ml dilute H ₂ SO ₄	Pale green	Pale green
Assay (Redox Titration)	min. 99%	99.5%
Insoluble matter	max. 0.01%	0.003%
pH (5% aq. solution)	3.0 - 5.0	3.9
Chloride (Cl)	max. 0.001%	Passes
Iron (Fe+3)	max. 0.01%	Passes
Heavy Metals (Pb)	max. 0.001%	Passes
Phosphate (PO ₄)	max. 0.002%	Passes
Copper (Cu)	max. 0.002%	Passes
Potassium (K)	max. 0.002%	Passes
Sodium (Na)	max. 0.01%	Passes
Calcium (Ca)	max. 0.005%	Passes
Magnesium (Mg)	max. 0.002%	Passes
Manganese (Mn)	max. 0.01%	Passes
Zinc (Zn)	max. 0.003%	Passes

FRM/82/11/4/61732 Rev No. 3 Date 23/08/2022

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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