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## Certificate of Analysis

<b>Product</b>	<b>97868 - Ferrous Sulphate Heptahydrate extrapure ACS, 99% - [7782-63-0]</b>
<b>Batch No</b>	<b>1105829</b>
<b>Analysis Date</b>	17-Jun-2024
<b>Date of Manufacture</b>	June 2024
<b>Expiry Date/Re-Test Date</b>	June 2029
<b>Molecular Formula</b>	FeSO <sub>4</sub> .7H <sub>2</sub> O
<b>Molecular Weight</b>	278.02

Test Parameters	Standards	Actual Results
Appearance (Colour)	Green or bluish - green	Bluish - green
Appearance (Form)	Crystalline powder	Crystalline powder
Solubility (Turbidity) 10% aq. solution with 1ml dilute H <sub>2</sub> SO <sub>4</sub>	Clear	Clear
Assay (Redox Titration)	min. 99.0%	99.6%
Water Insoluble matter	max. 0.01%	0.008%
Chloride (Cl)	max. 0.001%	Passes
Phosphate (PO <sub>4</sub> )	max. 0.001%	Passes
Copper (Cu)	max. 0.0005%	Passes
Potassium (K)	max. 0.002%	Passes
Sodium (Na)	max. 0.02%	Passes
Ferric Iron(Fe+3)	max. 0.1%	Passes
Manganese (Mn)	max. 0.05%	Passes
Magnesium (Mg)	max. 0.002%	Passes
Calcium (Ca)	max. 0.0005%	Passes
Zinc (Zn)	max. 0.005%	Passes

FRM/82/11/4/97868 Rev No. 5 Date 09/09/2023

Prepared by **Mayur**

In compliance with the standard specifications of SRL

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

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