



LABPRO CHEM

"Essential Laboratory Chemicals For Scientific Research and Experimentation, Ensuring Accuracy And Precision In Every Process."

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CERTIFICATE OF ANALYSIS

Product Name: AMMONIUM FERROUS SULFATE 98.5% (Hexahydrate)

Catalogue No.: LA0350

CAS No.: 7783-85-9

Batch No.: 496RE

Date of Manufacture: June 2025

Date of Expiry: May 2030

Test Parameters	Specifications	Results
Appearance	Light green crystalline hexahydrate powder	Complies
Assay (as $\text{FeSO}_4 \cdot (\text{NH}_4)_2\text{SO}_4 \cdot 6\text{H}_2\text{O}$)	Min. 98.5%	98.7%
Identification (IR/UV)	Conforms to reference spectrum	Complies
Solubility	Soluble in water	Complies
pH (5% solution at 25 °C)	3.5 – 4.5	4.1
Sulfate (SO_4) (calculated)	As per stoichiometric ratio	Complies
Ferrous Iron (Fe^{2+}) Content	17.0 – 18.5%	17.8%
Ammonium (NH_4^+) Content	As per stoichiometric ratio	Complies
Loss on Drying	NMT 5.0%	3.9%
Water of Crystallization (H_2O)	32.0 – 34.0%	33.2%
Heavy Metals (as Pb)	NMT 0.001%	Complies

Approved By

(Quality Control Department)

Date: 23/06/2025

For: LABPRO CHEM
AUTH SIGNATORY

Signature: _____

TESTED BY
PREM SINGH

APPROVED BY
SHAKIL AHMED