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Registered Off. : 101-A, Deep Enclave, Pocket 'D', Ashok Vihar, Phase-III, Delhi-110 052 (India)  
Corporate Off. : 152, Vardhman City Centre, Near Shakti Nagar Underbridge, Delhi-110052 (India)  
Works : Plot No.1022, Modern Industrial Estate, Bahadurgarh-124507, Haryana (India)  
Telephone : 0091 - 11 - 23646422 E-mail : tecpharm@gmail.com  
Website : www.technopharmchem.com

### CERTIFICATE OF ANALYSIS

**Name of the Sample** : **Iron (II) Sulphate Heptahydrate AR**  
**Batch No.** : **228972**  
**Date of Mfg.** : **Oct 2025**  
**Date of Exp.** : **Sep 2030**  
**Register No.** : **2025-26**  
**Qty of Sample** : **500gm**  
**Date of Analysis** : **Oct 2025**

S. No	Test Parameters	Observed Values	Standard Values
1.	Description	Passes	Green crystalline powder
2.	Assay	99.39% FeSO <sub>4</sub> .7H <sub>2</sub> O	Min.99.5%
3.	pH (5% solution) (in CO <sub>2</sub> free water)	3.80	3.0 – 4.0
4.	Dilute H <sub>2</sub> SO <sub>4</sub> insoluble matter	0.0035%	Max.0.005%
5.	Chloride	0.0002%	Max.0.0005%
6.	Nitrogen compounds	0.0005%	Max.0.001%
7.	Phosphate	0.0005%	Max.0.001%
8.	Arsenic	0.0002%	Max.0.0002%
9.	Copper	0.0001%	Max.0.001%
10.	Ferric iron	0.012%	Max.0.02%
11.	Lead	0.0001%	Max.0.0005%
12.	Manganese	0.05%	Max.0.05%
13.	Zinc	0.002%	Max.0.005%
14.	Substances not ppt by ammonia (as sulphates)	0.038%	Max.0.05%

**Chief Chemist**