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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 (III) Sulfate Hydrated AR
(Ferric Sulphate hydrated AR)**
Batch No. : **227468**
Date of Mfg. : **March 2024**
Date of Exp : **Feb 2029**
Register No. : **2024-25**
Qty of Sample : **500gm**
Date of Analysis : **March 2024**

S. No	Test Parameters	Observed Values	Standard Values
1.	Description	Passes	Grayish white to off-White color powder
2.	Assay as $\text{Fe}_2(\text{SO}_4)_3$	74.10%	Min.73.5%
3.	Solubility	Passes	Slowly soluble in water ; rapidly Soluble in the Presence of trace of ferrous – sulphate; sparingly soluble in alcohol
4.	Chloride	0.0078%	Max.0.01%
5.	Copper	0.0025%	Max.0.005%
6.	Ferrous iron	0.013%	Max.0.02%
7.	Insoluble matter	0.005%	Max.0.02%
8.	Nitrate	0.005%	Max.0.01%
9.	Substances not pptd by NH_4OH	0.093%	Max.0.1%
10.	Zinc	0.002%	Max.0.005%

Chief Chemist