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CERTIFICATE OF ANALYSIS

Name of the Sample : **Iron (II) Sulphate 7H₂O AR**
(Ferrous Sulphate 7 Hydrate AR)
Batch No. : **226148**
Date of Mfg. : **Nov 2022**
Date of Exp. : **Oct 2027**
Register No. : **2022-23**
Qty of Sample : **500gm**
Date of Analysis : **Nov 2022**

S. No	Test Parameters	Observed Values	Standard Values
1.	Description	Passes	Green crystalline powder
2.	Assay	99.74% FeSO ₄ .7H ₂ O	Min.99.5%
3.	pH (5% solution) (in CO ₂ free water)	3.45	3.0 – 4.0
4.	Dilute H ₂ SO ₄ insoluble matter	0.0025%	Max.0.005%
5.	Chloride	0.0001%	Max.0.0005%
6.	Nitrogen compounds	0.0003%	Max.0.001%
7.	Phosphate	0.0001%	Max.0.001%
8.	Arsenic	0.0002%	Max.0.0002%
9.	Copper	0.0004%	Max.0.001%
10.	Ferric iron	0.018%	Max.0.02%
11.	Lead	0.0001%	Max.0.0005%
12.	Manganese	0.05%	Max.0.05%
13.	Zinc	0.005%	Max.0.005%
14.	Substances not ppt by ammonia (as sulphates)	0.043%	Max.0.05%

Chief Chemist