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CERTIFICATE OF ANALYSIS

Name of the Sample : **Iron (III) Nitrate 9-hydrate AR**
Batch No. : **225989**
Date of Mfg : **Sep 2022**
Date of Exp : **Aug 2027**
Register No. : **2022-23**
Qty of Sample : **500gm**
Date of Analysis : **Sep 2022**

S. No	Test Parameters	Observed Values	Standard Values
1.	Appearance	Passes	Pale Mauve to Pale Purple moist crystals
2.	Assay	99.1% Fe(NO ₃) ₃ .9H ₂ O	Min.98.0%
3.	Water insoluble matter	0.0016%	Max 0.003%
4.	Acidity	0.28%	Max 0.4%
5.	Chloride	0.0003%	Max 0.0005%
6.	Phosphate	0.002%	Max 0.005%
7.	Sulphate	0.002%	Max 0.005%
8.	Calcium	0.001%	Max 0.005%
9.	Copper	0.0004%	Max 0.005%
10.	Lead	0.0002%	Max 0.001%
11.	Magnesium	0.001%	Max 0.001%
12.	Potassium	0.002%	Max 0.005%
13.	Sodium	0.001%	Max 0.005%
14.	Zinc	0.001%	Max 0.001%
15.	Substances not precipitated by Ammonia (as SO ₄)	0.072%	Max 0.1%

Chief Chemist