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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) Nitrate 9-hydrate AR
Batch No. : 224258
Date of Mfg : Oct 2020
Date of Exp : Sep 2025
Register No. : 2020-21
Qty of Sample : 500gm
Date of Analysis : Oct 2020

S. No	Test Parameters	Observed Values	Standard Values
1.	Appearance	Passes	Pale Mauve to Pale Purple moist crystals
2.	Assay	98.58% Fe(NO ₃) ₃ .9H ₂ O	Min.98.0%
3.	Water insoluble matter	0.002%	Max 0.003%
4.	Acidity	0.24%	Max 0.4%
5.	Chloride	0.0005%	Max 0.0005%
6.	Phosphate	0.005%	Max 0.005%
7.	Sulphate	0.002%	Max 0.005%
8.	Calcium	0.005%	Max 0.005%
9.	Copper	0.005%	Max 0.005%
10.	Lead	0.001%	Max 0.001%
11.	Magnesium	0.001%	Max 0.001%
12.	Potassium	0.003%	Max 0.005%
13.	Sodium	0.002%	Max 0.005%
14.	Zinc	0.001%	Max 0.001%
15.	Substances not precipitated by Ammonia (as SO ₄)	0.093%	Max 0.1%

Chief Chemist