



CERTIFICATE OF ANALYSIS

PRODUCT NAME : AMMONIUM FERRIC SULPHATE (DODECAHYDRATE) AR
(Ammonium Iron (III) Sulphate)

CAS No : 7783-83-7

Mol. Formula : $\text{NH}_4\text{Fe}(\text{SO}_4)_2 \cdot 12\text{H}_2\text{O}$

Mol. WT : 482.19

Date of analysis : 27/12/24

Product code : 21570

Batch No. : MCAR-01022

Mfd. : Dec. 2024

Exp. : Nov. 2029

S.R	Test	Specification	Observation
1	Description	Pale violet crystals, on exposure to air it becomes yellowish brown.	Pale violet crystals
2	Assay	99.0 % min.	99.25%
3	Water insoluble matter	0.003% max	0.001%
4	pH (5% aq. solution)	2.0 - 5.0	2.12
5	Chloride (Cl)	0.0005% max	< 0.0005%
6	Phosphate (PO_4)	0.003% max	< 0.003%
7	Calcium (Ca)	0.001% max	< 0.001%
8	Copper (Cu)	0.001% max	< 0.001%
9	Lead (Pb)	0.002% max	< 0.002%
10	Magnesium (Mg)	0.001% max	< 0.001%
11	Manganese (Mn)	0.001% max	< 0.001%
12	Potassium (K)	0.002% max	< 0.002%
13	Sodium (Na)	0.002% max	< 0.002%
14	Zinc (Zn)	0.001% max	< 0.001%

REMARK: THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

[Tested By]

**CHEMIST
(Deepa)**

[QC Incharge]

**HEAD-QUALITY ASSURANCE
(G.G.Salian)**

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