



Product Specification

Product Name: **Ammonium Ferrous Sulfate 6-hydrate AR**
CAS No: 7783-85-9
Molecular Formula: $(\text{NH}_4)_2\text{Fe}(\text{SO}_4)_2 \cdot 6\text{H}_2\text{O}$
Molecular Weight: 392.14 g/mol
HS Code: 2833 29 90
Odour: Odourless
Appearance: Pale Greenish solid fine crystals
Bulk density: $\sim 820 \text{ kg/m}^3$
Melting Point: 100°C
Storage: Store at temp below 40°C

Sr No	Test Parameter	Value
1.	Test Solution (5g in 50ml water + 1ml sulphuric acid)	Solution is clear and pale-greenish
2.	pH of 5% solution	NLT 3.50
3.	Assay, as $(\text{NH}_4)_2\text{Fe}(\text{SO}_4)_2 \cdot 6\text{H}_2\text{O}$	99.0% min.
4.	Insoluble matter	0.003% max.
5.	Chloride, as Cl	0.001% max.
6.	Calcium, as Ca	0.01% max.
7.	Copper, as Cu	0.002% max.
8.	Ferric ion, as Fe^{+3}	0.02% max. (Due to inherent oxidation, ferric ion (Fe^{+3}) content may increase on storage)
9.	Heavy Metals, as Pb	0.002% max.
10.	Manganese, as Mn	0.05% max.
11.	Potassium, as K	0.01% max.
12.	Sodium, as Na	0.01% max.
13.	Zinc, as Zn	0.003% max.