



Product Specification

Product Name:	Ammonium Ferric Sulfate 12-hydrate AR
CAS No:	7783-83-7
Molecular Formula:	$\text{NH}_4\text{Fe}(\text{SO}_4)_2 \cdot 12\text{H}_2\text{O}$
Molecular Weight:	482.19 g/mol
HS Code:	2833 30 00
Odour:	Odourless
Appearance:	Pale violet solid irregular lumps and/or white fine crystals
Bulk density:	~750 kg/m ³
Melting Point:	38° to 41°C
Storage:	Store at temp below 30°C. Surface of material turns yellow at 35°C Starts melting at 38°C

<u>Sr No</u>	<u>Test Parameter</u>	<u>Value</u>
1.	Test Solution (10% w/v solution in water)	Solution is clear and yellowish-brown
2.	Assay, as $\text{NH}_4\text{Fe}(\text{SO}_4)_2 \cdot 12\text{H}_2\text{O}$	99% min.
3.	pH of 5% solution	2.0 to 5.0
4.	Chloride, as Cl	0.0003% max.
5.	Calcium, as Ca	0.002% max.
6.	Copper, as Cu	0.001% max.
7.	Ferrous ion, as Fe ⁺²	0.001% max.
8.	Heavy Metals, as Pb	0.002% max.
9.	Magnesium, as Mg	0.001% max.
10.	Nitrogen, as N	0.001% max.
11.	Potassium, as K	0.002% max.
12.	Sodium, as Na	0.002% max.
13.	Zinc, as Zn	0.001% max.