



Product Specification

Product Name:	Ammonium Ferrous Sulfate 6-hydrate ACS
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:	~820 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.	Assay, as $(\text{NH}_4)_2\text{Fe}(\text{SO}_4)_2 \cdot 6\text{H}_2\text{O}$	98.5 – 101.5%
3.	Insoluble matter	0.01% max.
4.	Phosphate, as PO ₄	0.003% max
5.	Calcium, as Ca	0.005% max.
6.	Copper, as Cu	0.003% max.
7.	Ferric ion, as Fe ⁺³	0.01% max. (Due to inherent oxidation, ferric ion (Fe ⁺³) content may increase on storage)
8.	Magnesium, as Mg	0.002% max.
9.	Manganese, as Mn	0.01% max.
10.	Potassium, as K	0.002% max.
11.	Sodium, as Na	0.02% max.
12.	Zinc, as Zn	0.01% max.