



Product Specification

Product Name:	Ferrous Sulfate 7-hydrate ACS
Product Name:	Iron (II) Sulfate 7-hydrate
CAS No:	7782-63-0
Molecular Formula:	FeSO ₄ .7H ₂ O
Molecular Weight:	278.02 g/mol
HS Code:	2833 29 50
Odour:	Odourless
Appearance:	Bluish-Green crystals
Density:	1.89 g/cm ³ @20°C
Melting Point:	>60° C (release of water of crystallization)
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 bluish-green
2.	Assay, as FeSO ₄ .7H ₂ O	≥ 99.0%
3.	Insoluble matter	0.01% max.
4.	Chloride, as Cl	0.001% max.
5.	Phosphate, as PO ₄	0.001% max.
6.	Calcium, as Ca	0.005% max.
7.	Copper, as Cu	0.005% max.
8.	Ferric ion, as Fe ⁺³	0.1% max. (Due to inherent oxidation, ferric ion (Fe ⁺³) content may increase on storage)
9.	Magnesium, as Mg	0.002% max.
10.	Manganese, as Mn	0.05% max.
11.	Potassium, as K	0.002% max.
12.	Sodium, as Na	0.02% max.
13.	Zinc, as Zn	0.005% max.