

PHINE KEMIKALS INDIA

Plot No. 1, 2, 3 & 90, GIDC Estate, Godhra 389001 Gujarat India Phone: +91-2672-262884 Email: info@phinekem.com Website: www.phinekem.com

Product Specification

Product Name: Ferrous Sulfate 7-hydrate ACS

Product Name: Iron (II) Sulfate 7-hydrate

CAS No: 7782-63-0 Molecular Formula: FeSO₄.7H₂O Molecular Weight: 278.02 g/mol HS Code: 2833 29 50 Odour: Odourless

Appearance: Bluish-Green crystals Density: 1.89 g/cm³ @20°C

Melting Point: >60° C (release of water of crystallization)

Store at temp below 40°C Storage:

<u>Sr No</u>	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.

Original Re-Release: July 2016 Amendment No: - Original

Page 1 of 1