Scapex Exports Pvt. Ltd.
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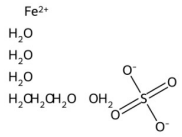
CIN U46909GJ2025PTC164345

CERTIFICATE OF ANALYSIS Standard product specification

Ferrous Sulphate Heptahydrate

CAS 7782-63-0 · H14FeO11S · 19% Fe



STRUCTURAL FORMULA

1. PRODUCT IDENTITY

Product name	Ferrous Sulphate Heptahydrate
C.A.S. number	7782-63-0
Molecular formula	H14FeO11S
Molecular weight	278.01 g/mol
Grade / standard	19% Fe
Description	Blue-green crystals
Product group	Micronutrients
Category	Agrochemicals & Fertilizers
Country of origin	India
Packing	Bags, drums, carboys, IBC or ISO tank as applicable — customer-specified packing available
Storage	Cool, dry, well-ventilated place in tightly closed original packing

2. ANALYTICAL SPECIFICATION

S. NO.	TEST PARAMETER	SPECIFICATION	TYPICAL RESULT	METHOD
1	Description	Blue-green crystals	Complies	Visual
2	Identification	Conforms to the structure of the substance	Complies	FTIR / Chemical test
3	Solubility	As per specification	Complies	Visual / Monograph
4	Assay	Not less than 19.0 % w/w	19.87	Titrimetry / Instrumental
5	Moisture	Not more than 1.5 % w/w	0.72	Gravimetry

6	Water Solubility	Completely soluble	Complies	Visual / Gravimetry
7	Particle Size (1 – 4 mm)	Not less than 90 %	92.8	Sieve analysis
8	pH (5 % aqueous solution)	As per specification	6.7	Potentiometry
9	Heavy Metals (as Pb)	Not more than 20 ppm	Less than 10 ppm	ICP-OES

3. DECLARATION

This document sets out the standard specification for Ferrous Sulphate Heptahydrate and applies to all consignments of this product and grade supplied by Scapex Exports Pvt. Ltd. It is not a lot-specific release document; a lot-specific certificate carrying the analysis of the material actually shipped is issued with, and travels with, each consignment. Scapex Exports supplies against customer-specified assay limits and pharmacopoeial standards — send your specification sheet and we confirm compliance in writing before the order is accepted.

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