

Technical Information

Ferrous Sulphate Heptahydrate Plant Culture Tested

Product Code: PCT1111

Product Information

Product Code	: PCT1111
Product Name	: Ferrous Sulphate Heptahydrate, Plant Culture Tested
Molecular Formula	: $\text{FeSO}_4 \cdot 7\text{H}_2\text{O}$
Molecular Weight	: 278.01
CAS No.	: 7782-63-0

Technical Specification

Appearance	: Bluish green crystals or light green crystalline powder.
Solubility	: 10% solution in a mixture of freshly boiled, cooled water and dilute sulphuric acid is clear and bright.
Cultural response	: Cultures conditions - Incubation period (5wks), Relative humidity ($60 \pm 2\%$), Temperature ($25 \pm 2^\circ\text{C}$), Photoperiod Day: Night in hours (16:8)
Shoot culture	: No structural deformity observed, actively growing shoots, no toxicity to shoots
Callus culture	: No necrotic tissues, actively growing callus, no toxicity to callus
Chloride (Cl)	: $\leq 0.001\%$
Phosphate (PO_4)	: $\leq 0.001\%$
Manganese (Mn)	: $\leq 0.05\%$
Copper (Cu)	: $\leq 0.005\%$
Ferric Iron (Fe^{+3})	: $\leq 0.1\%$
Zinc (Zn)	: $\leq 0.005\%$
Insoluble matter	: $\leq 0.01\%$
Substances not pptd by NH_4OH	: $\leq 0.05\%$ (as sulphate)
Minimum assay (Redox Titration)	: 99.00 %

GHS Safety Information

Hazard Statement(s)	: H302-H315-H319
Precautionary Statement(s)	: P305+P351+P338
Signal Word	: Warning
Hazard Pictogram(s)	



GHS07

Risk And Safety Information

R-Phrase(s)	: 22
S-Phrase(s)	: 36/37/39
WGK	: 1
RTECS	: NO8510000
Storage Temperature($^\circ\text{C}$)	: Store below 30°C

Plant Culture
Tested



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Transport Information

Marine Pollutant	: No
ADR/RID	: Not Dangerous Goods
IMDG	: Not Dangerous Goods
IATA	: Not Dangerous Goods

Disclaimer :

- User must ensure suitability of the product(s) in their application prior to use.
- The product conforms solely to the technical information provided in this booklet and to the best of knowledge research and development work carried at **CDH** is true and accurate.
- **Central Drug House Pvt. Ltd.** reserves the right to make changes to specifications and information related to the products at any time.
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- Do not use the products if it fails to meet specifications for identity and performance parameters.

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