



Specification

Ferrous Sulfate Heptahydrate ACS/USP/FCC/BP/EP

Catalog Number:	FS1001
Synonym(s):	Iron(II) sulfate heptahydrate
CAS Number:	7782-63-0
Molecular Formula:	FeSO ₄ · 7H ₂ O
Molecular Weight:	278.01
Storage:	15°C – 30°C
Retest Period:	Five years from the date of manufacture

Test	Specification
Appearance	Green to bluish-green crystals
Assay	99.5 – 104.5%
Identification	To pass tests
pH (5%)	3.0 – 4.0
Insoluble Matter	≤ 0.01%
Chloride	≤ 0.001%
Phosphate	≤ 0.001%
Calcium	≤ 0.005%
Chromium	≤ 50ppm
Copper	≤ 0.005%
Ferric (Fe ³⁺)	≤ 0.1%
Magnesium	≤ 0.002%
Manganese	≤ 0.05%
Nickel	≤ 50ppm
Potassium	≤ 0.002%
Sodium	≤ 0.02%
Zinc	≤ 0.005%
Arsenic	≤ 3ppm
Lead	≤ 2mg/kg
Mercury	≤ 1μg/g
Residual Solvents: Water was the only solvent used during the manufacturing process.	

Approved:

John Grubb, PhD
Gojira Fine Chemicals
Quality Manager
Tel: 440-252-5397, Fax: 888-211-5523
docsupport@gojirafc.com

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