



Product Specification

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FERROUS SULPHATE HEPTAHYDRATE AR/ACS MEETS ANALYTICAL SPECIFICATION OF IP, BP, USP, AND PH.EUR.

PRODUCT CODE	529075
SYNONYMS	[Iron (II) sulphate]
C.I. NO.	--
CASR NO.	(7782-63-0)
ATOMIC OR MOLECULAR FORMULA	FeSO ₄ .7H ₂ O
ATOMIC OR MOLECULAR WEIGHT	278.01
PROPERTIES	Insoluble in alcohol, mp 64°C, Hygroscopic.



PARAMETER	LIMIT
Description	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.
Identification	Passes test.
Minimum Assay (Redox Titration)	99.5%
pH of (5% soln in water)	3 - 4


MAXIMUM LIMIT OF IMPURITIES	
Chloride (Cl)	0.0005%
Nitrogen compound (N)	0.001%
Arsenic (As)	0.0002%
Copper (Cu)	0.001%
Ferric ion (Fe ³⁺)	0.02%
Lead (Pb)	0.0005%
Manganese (Mn)	0.05%
Mercury (Hg)	0.0002%
Zinc (Zn)	0.005%
Organic volatile impurities	Excluded by Production process.
Nickel (Ni)	0.005%
Phosphate (PO ₄)	0.001%
Calcium (Ca)	0.005%
Chromium (Cr)	0.005%
Potassium (K)	0.002%
Magnesium (Mg)	0.008%
Sodium (Na)	0.02%
Substances not precipitated by ammonia	0.1%

Note(s) : Assay (if applicable) method mentioned.



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<p>WARNING</p> <p>Hazard statements: Harmful if swallowed. Causes skin irritation. Causes serious eye irritation</p> <p>Precautionary statements</p> <p>Prevention :Wash hands thoroughly after handling. Wash thoroughly after handling. Do not eat, drink or smoke when using this product.</p> <p>Response :IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention. Wear eye/face protection.If skin irritation occurs, seek medical advice/attention. IF ON SKIN: Gently wash with plenty of soap and water. Specific treatment: refer to Label or MSDS. Remove/Take off immediately all contaminated clothing Wash/Decontaminateremoved clothing before reuse.</p> <p>Disposal: - Dispose of contents and container in accordance with relevant legislation.</p>	<p>IMDG Code : UN No. : IATA :</p>
<p>Hazard pictogram(s) :</p> <div style="text-align: center;"> GHS07</div>	