



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

PRODUCT CODE	R03001	
SYNONYMS	[Iron (II) sulphate]	
C.I. NO.	--	
CASR NO.	(7782-63-0)	
ATOMIC OR MOLECULAR FORMULA	FeSO ₄ .7H ₂ O	FeSO₄.7H₂O
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.		
WARNING Hazard statements: Harmful if swallowed. Causes skin irritation. Causes serious eye irritation Precautionary statements Prevention : Wash hands thoroughly after handling. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. 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.		IMDG Code : UN No. : IATA :
Disposal: - - Dispose of contents and container in accordance with relevant legislation.		
Hazard pictogram(s) :		