



Product Specification

cdhfinechemical.com

AMMONIUM FERROUS SULPHATE AR/ACS HEXAHYDRATE

PRODUCT CODE	457095
SYNONYMS	(Mohr's salt),(Ammonium iron (II) sulphate),(Ferrous ammonium sulphate)
C.I. NO.	—
CASR NO.	7783-85-9
ATOMIC OR MOLECULAR FORMULA	$(\text{NH}_4)_2\text{Fe}(\text{SO}_4)_2 \cdot 6\text{H}_2\text{O}$
ATOMIC OR MOLECULAR WEIGHT	392.13 $(\text{NH}_4)_2\text{Fe}(\text{SO}_4)_2 \cdot 6\text{H}_2\text{O}$
PROPERTIES	Insoluble in alcohol, decomposes at 100 - 110°C, deliquescent, affected by light.
PARAMETER	LIMIT
Description	Pale greenish blue crystals or crystalline powder.
Solubility	10% solution in freshly boiled and cooled water and dilute sulphuric acid is clear.
Minimum assay (Redox Titration)	99.0%
pH of (5% solution in water)	3.0 - 5.0
MAXIMUM LIMIT OF IMPURITIES	
Insoluble matter	0.01%
Chloride (Cl)	0.001%
Phosphate (PO_4)	0.003%
Copper (Cu)	0.003%
Ferric ion (Fe^{3+})	0.02%
Lead (Pb)	0.001%
Manganese (Mn)	0.05%
Zinc (Zn)	0.003%
Note(s) : Assay (if applicable) method mentioned.	
WARNING Hazard statements: Not hazardous. No hazards. Precautionary statements Prevention: ----- Response: -----	IMDG Code : -- UN No. : -- IATA : --
Disposal:-----	
Hazard Pictogram(s) :-----	

Replace Date 08-Nov-2025