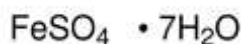


TIQ-F-QC-003
 Rev.00

Technical Data Sheet

FERROUS SULPHATE HEPTAHYDRATE 99% AR

Iron(II) sulfate heptahydrate



Product Code	O-5090	Grade	Analytical Reagent
Purity	99 %	CAS No	7782- 63-0
Molecular Formula	FeSO ₄ .7H ₂ O	Molecular Weight	278.01 g/mol
H.S.Code	2833.2910	Shelf Life	60 Months

Physical Properties

Physical state	solid	Density	1,898 g/cm ³ at 25 °C
Melting point	64 °C	pH	3,0 - 4,0 at 50 g/l at 25 °C
Solubility in water	at 25 °C soluble	Vapour pressure	14,6 hPa at 25 °C

Packaging

500 gram

Specification

Appearance	Light blue or blue-green or green crystalline powder or crystals
Assay (Redox-titration)	min 99.0 %
Ferric ion (Fe)	max 0.1 %
Copper (Cu)	max 0.005 %
Insoluble matter	max 0.01 %
pH (5% solution in water)	3.0 - 4.0
Chloride (Cl)	max 0.001 %
Phosphate (PO ₄)	max 0.001 %
Manganese (Mn)	max 0.05 %
Zinc (Zn)	max 0.005 %
Calcium (Ca)	max 0.005 %
Magnesium (Mg)	max 0.002 %
Potassium (K)	max 0.002 %

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: warning

UN No.: no available

IMCO Class No.: no available

Packing Group: no available

Hazardous Statement: H302-H315-H319

Precaution Statement: P264-P280-P301+P312-P302+P352-P305+P351+P338-P332+P313