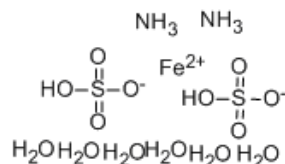


TIQ-F-QC-003

Rev.00

Technical Data Sheet**AMMONIUM FERROUS SULPHATE HEXAHYDRATE 99 % AR**

Iron(II) ammonium sulphate hexahydrate



Product Code	O-5022	Grade	Analytical Reagent
Purity	99%	CAS No	7783-85-9
Molecular Formula	$(\text{NH}_4)_2\text{Fe}(\text{SO}_4)_2 \cdot 6\text{H}_2\text{O}$	Molecular Weight	392.13 g/mol
H.S.Code	2842.9090	Shelf Life	36 Months

Physical Properties

Physical state	solid	Melting point	100°C
Colour	Greenish blue crystals	Relative vapour density at 20 °C	> 1
Density	1.86 g/cm ³	Solubility in water	26.9 g/100cm ³ @ 200C

Packaging

500 gram

Specification

Appearance	Greenish blue crystals/crystalline powder
Assay (oxidimetric)	99.0 – 101.5 %
Insoluble matter	max 0.01 %
Phosphate (PO ₄)	max 0.003 %
Calcium (Ca)	max 0.005 %
Copper (Cu)	max 0.003 %
Ferric ion(Fe ³⁺)	max 0.01 %
Manganese (Mn)	max 0.01 %
Magnesium (Mg)	max 0.002 %
Potassium (K)	max 0.002 %
Sodium (Na)	max 0.02 %
Zinc (Zn)	max 0.003 %

Substance not precipitated by
 NH_4OH

max 0.003 %

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: warning

UN No.: not applicable

IMCO Class No.: not applicable

Packing Group: not applicable

Hazardous Statement: H315-H319-H335

Precaution Statement: P261-P305+P351+P338