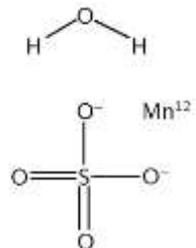


Product Information

MANGANESE (II) SULPHATE MONOHYDRATE 99 % AR

Manganous Sulphate



Product Code	O-5118	Grade	Analytical Reagent
Purity	99 %	CAS No	10034-96-5
Molecular Formula	MnSO ₄ · H ₂ O	Molecular Weight	169.02 g/mol
H.S.Code	2833.2940	Shelf Life	60 Months

Physical Properties

Physical state	Solid	Relative density	2,95 g/cm ³ at 20 °C
Colour	Pink	pH value	3,0 - 3,5 at 50 g/l at 20 °C
Melting point	> 449 °C	Solubility in water	762 g/l at 20 °C

Packaging

500 gram

Specification

Appearance	white to slightly pink colored crystalline powder
Assay (complexometric)	min 99.0 %
pH (5% solution)	3.5 - 5.0
Insoluble matter	max 0.01 %
Chloride (Cl)	max 0.005 %
Calcium (Ca)	max 0.005 %
Copper (Cu)	max 0.001 %
Iron (Fe)	max 0.002 %
Heavy metal (as Pb)	max 0.002 %
Magnesium (Mg)	max 0.005 %
Nickel (Ni)	max 0.02 %
Potassium (K)	max 0.01 %
Sodium (Na)	max 0.05 %
Zinc (Zn)	max 0.005 %
Substance reducing KMnO ₄ (as O)	passes test

Loss on ignition (500 °C)

10.0 - 12.0 %

Safety Information and Hazard Symbols



Symbol: GHS08, GHS09

Signal Word: Danger

UN No.: 3077

IMCO Class No.: 9

Packing Group: III

Hazardous Statement: H373-H411

Precaution Statement: P260-P273-P280-P305+P351+P338-P314-P391