

Technical Data sheet

MANGANESE (II) CHLORIDE 4-HYDRATE GMP

Product Code :354115 MANGANESE (II) CHLORIDE 4-HYDRATE GMP

Formula :MnCl₂·4H₂O

Retest period : 60 months

Standard Grade : USP

Rev.: 09/07/2018

According to monographs :USP 41

General Information :

Mol weight	197,90 g/mol
CAS Nr	13446-34-9
EINECS Nr	231-869-6
HS code	28273985

Transport :

ADR/RID Class	9/III,M7
UN Nr	3077
Danger	90
Transport Labels	9 N
IMDG Code	9/III
IATA Code	9
IATA Group	III
CAO Code	956
PAX Code	956

Specifications :

Identification A	Passes test	Identification B	Passes test
Assay(Complex,dried basis)	98,0 - 101,0 %	Sulphate (SO ₄)	Max. 0,005 %
Iron (Fe)	Max. 5,0 ppm	Zinc (Zn)	Passes test
Water-insoluble matter	Max. 0,005 %	Subst.not prec. by(NH ₄) ₂ S	Max. 0,2 %
pH of a 5% solut. (25°C)	3,5 - 6,0	Loss on drying at 150°C	36,0 - 38,5 %
Residual solvents	Excluded(by process)	Total aerobic count(TAMC)	Max. 100,0 cfu/g

Labels : H-302:Harmful if swallowed. H-318:Causes serious eye damage. H-373:May cause damage to organs through prolonged or repeated exposure. H-411:Toxic to aquatic life with long lasting effects. P-301+312:IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. P-305+351:If in eyes: Rinse cautiously with water for several minutes. P-310:Immediately call a POISON CENTER or doctor/physician. P-314:Get medical advice/attention if you feel unwell. P-264:Wash P-273:Avoid release to the environment. P-260:Do not breathe dust/fume/gas/mist/vapours/spray. P-280:Wear protective gloves/protective clothing/eye protection/face protection.

