

**Technical Data sheet**

**MANGANESE (II) CHLORIDE 4-HYDRATE GMP**

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

**Formula** :MnCl<sub>2</sub>·4H<sub>2</sub>O

**Retest period** : 24 months

**Standard Grade** : USP

**Rev.:** 20/04/2020

**According to monographs** :USP 43

**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 <sub>4</sub> )	Max. 0,005 %
Iron (Fe)	Max. 5,0 ppm	Zinc (Zn)	Passes test
Water-insoluble matter	Max. 0,005 %	Subst.not prec. by(NH <sub>4</sub> ) <sub>2</sub> 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-301:Toxic if swallowed. H-318:Causes serious eye damage. H-373:May cause damage to organs through prolonged or repeated exposure. P-260:Do not breathe dust/fume/gas/mist/vapours/spray. P-280:Wear protective gloves/protective clothing/eye protection/face protection. P-301+312:IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. P-305+P351+P338:Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. P-303+361+353:IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. P-501:Dispose of contents/container in accordance with local/regional/national/international regulations,

