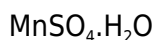
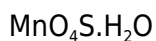


**PRODUCT CODE: 201413****Manganese(II) Sulfate 1-hydrate (F.C.C.) food grade**



M.= 169,01

CAS [10034-96-5]

EINECS 232-089-9

TARIC 2833 29 80 20

PHYSICAL DATA: crystals, Pink, Soluble in water 762 g/l at 20 °C Thermal decomp. above 117 °C • Hygroscopic • D 2,95 • M.P.: 117 °C • pH3,0 - 3,5 •

BIBLIOGRAPHY: Merck Index **12**, 5.782 13, 5.763 Safety **2**, **2195 C** • Römpp **8**, **2484** • ACS **XI** • BP.**2018** • USP **41** • Ph. Eur. **8.0** (2014) **9.0** (2017) • F.C.C **10 11** •

HAZARDOUS: C.E: 025-003-00-4 • RTECS: OP 0893500 • TDL0 oral mus 513 mg/kg • VLA-ED (Mn) 0,2 mg/m³



H: H373 • H411 •

P: P260 • P273 • P314 • P391 • P501 •

TRANSPORT REGULATIONS: UN: 3077 • ADR: 9/III • IMDG: 9/III • IATA: 9/III • PAX: 956 • CAO: 956 • (E) •

SPECIFICATIONS:

Assay (MnSO ₄ .H ₂ O)	98,0-102,0%
Identity :	
Identity Manganese	passes test
Identity Sulfate	passes test
Appearance	passes test
Loss on ignition	10,0-13,0 %
Arsenic, not more than	3 ppm

Lead, not more than
Selenium, not more than

4 ppm
0,003%

Specifications F.C.C. 11

For use in foodstuffs according to F.C.C.

Ed.: 5 . Vig.: 15.01.2011 .

Prod.: 201413