

Manganese(II) nitrate tetrahydrate, for analysis, ExpertQ®**Identification**

Mn(NO₃)₂·4H₂O
M = 251,01 g/mol
CAS [20694-39-7]
EC number: 233-828-8
Taric code: 2834 29 80

Applications

analytical chemistry, laboratory reagent, for the synthesis of: MnO₂; in porcelain industry.

Specifications

assay (complexometric).....	min. 98,5 %	iron (Fe).....	max. 5 ppm
pH (5 %, H ₂ O).....	2,8 - 3,6	lead (Pb).....	max. 0,001 %
chlorides (Cl).....	max. 0,001 %	magnesium (Mg).....	max. 0,005 %
sulfates (SO ₄).....	max. 0,005 %	nickel (Ni).....	max. 5 ppm
ammonium (NH ₄).....	max. 0,05 %	potassium (K).....	max. 0,005 %
calcium (Ca).....	max. 0,001 %	sodium (Na).....	max. 0,005 %
copper (Cu).....	max. 5 ppm	zinc (Zn).....	max. 0,001 %

Physical data

- Appearance: humid crystals, pink
- Spec. Density: 2,13 g/cm³
- Bulk density: ~ 850 kg/m³
- Solub. in water: (20 °C): 3800 g/l
- Melting point: 37 °C
- pH(50 g/l H₂O, 20 °C) ~ 3
- Hygroscopic

Safety - GHS

Signal Word: Danger

Hazard Statements:

H272: May intensify fire; oxidiser.

**Precautionary Statements:**

- P221: Take any precaution to avoid mixing with combustibles.
- P210: Keep away from heat / sparks / open flames / hot surfaces. - No smoking.
- P220: Keep / Store away from clothing / combustible materials.
- P280: Wear protective gloves / protective clothing / eye protection / face protection.
- P370+P378: In case of fire: Use ... for extinction.
- P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- ADR: 5.1 O2 III • UN 2724 • MANGANESE NITRATE
- IMDG: 5.1 III • UN 2724 • MANGANESE NITRATE
- IATA/ICAO: 5.1 III • UN 2724 • MANGANESE NITRATE
- PAX: 516
- CAO: 518
- 10°C - 30°C