



**PRODUCT CODE: 141527**

**Potassium Permanganate (USP, BP, Ph. Eur.) pure, pharma grade**

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KMnO<sub>4</sub>

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M.= 158,04

CAS [7722-64-7]

EINECS 231-760-3

TARIC 2841 61 00 00

**SYNONYMS:** Permanganic Acid Potassium Salt

**PHYSICAL DATA:** crystals, Dark brown to violet, Soluble in water 65 g/l at 20 °C Thermal decom. above 240 °C • D 20/4 2,70 • M.P.: 50 °C • pH7 - 9 • Vap. press. (20 °C) 0,01 hPa •

**BIBLIOGRAPHY:** Merck Index **12**, 7.824 **13**, 7.740 Sax **PLC000** • Safety **2**, **2908 B** • Römp **8**, **2022** • Kühn-Birett **K 13** • Fieser **1942 2348 4412 5582 8416 9388 10330 11440 12413 13258 14267 15273** • ACS **XI** • ISO 6353/2-1983R - 26 , 36 • BP.**2018** • USP **41** • Ph. Eur. **8.0** (2014) **9.0** (2017) •

**HAZARDOUS:** C.E: 025-002-00-9 • RTECS: SD 6475000 • LD L0 oral hmn 143 mg/kg • LD50 oral rat 1.090 mg/kg •



H: H272 • H302 • H410 •

P: P210 • P220 • P221 • P264 • P270 • P501 • P273 • P280 • P301+P312 • P330 • P370+P378 • P391 •

**TRANSPORT REGULATIONS:** UN: 1490 • ADR: 5.1/II • IMDG: 5.1/II • IATA: 5.1/II • PAX: 558 • CAO: 562 • (E) •

**OBSERVATIONS:** Product controlled as a drug precursor. •

**SPECIFICATIONS:**

Assay (Iodom.)

99,0-100,5%

Identity :  
Identity according to Pharmacopoeias: passes test

**Maximum limit of impurities**

Appearance of solution	passes test
Insoluble matter in H <sub>2</sub> O	0,2 %
Loss on drying	0,5%
Chloride (Cl)	0,02%
Nitrogen compounds (as N)	0,03%
Sulfate (SO <sub>4</sub> )	0,05%
Residual solvents (Ph.Eur/USP)	passes test
Heavy metals (as Pb)	0,003%
As	0,0003 %
Fe	0,005 %
Pb	0,005 %

Residual metals (according to EMEA/CHMP/SWP/4446/2000): No metal catalysts are used in the manufacturing process.