

PO0336 Potassium permanganate, solution 0,02 mol/l (0,1 N)

- KMnO_4
- M = 158,04 g/mol
- CAS [7722-64-7]
- EINECS-No.: 231-760-3
- Density: 1,01 g/cm³
- EC-Index-No.: 025-002-00-9
- GHS-H sentences: H412
- GHS-P sentences: P273 - P501a
- Tariff number: 2841 61 00 00
- Applications: analytical chemistry, titrant in volumetric analysis.

factor 0,999 - 1,001
 uncertainty \pm 0,001
 1 ml = 0,00316 g KMnO_4
 This volumetric solution was checked by means of potentiometric methods using Scharlau's disodium oxalate volumetric standard. Scharlau's volumetric standards are directly traceable to the Standard Reference Materials from NIST (National Institute of Standards and Technology, USA).

| ART. NO. | VOLUME | CONTAINER |
|------------|--------|-----------|
| PO03360100 | 100 ml | 0 |
| PO03361000 | 1 l | 0 |
| PO03362500 | 2,5 l | 0 |

PO0337 Potassium permanganate, solution 0,013 mol/l (0,065 N)

- KMnO_4
- M = 158,04 g/mol
- CAS [7722-64-7]
- EINECS-No.: 231-760-3
- Density: 1,01 g/cm³
- EC-Index-No.: 025-002-00-9
- GHS-H sentences: H412
- GHS-P sentences: P273 - P501a
- Tariff number: 2841 61 00 00
- Applications: analytical chemistry, titrant in volumetric analysis.

factor 0,995 - 1,005
 1ml = 0,00205g KMnO_4
 This volumetric solution was checked by means of potentiometric methods using Scharlau's disodium oxalate volumetric standard. Scharlau's volumetric standards are directly traceable to the Standard Reference Materials from NIST (National Institute of Standards and Technology, USA).

| ART. NO. | VOLUME | CONTAINER |
|------------|--------|-----------|
| PO0337005P | 5 l | 0 |

PO0333 Potassium permanganate, concentrated solution to prepare 1 l of solution 0,02 mol/l (0,1 N)



- KMnO_4
- M = 158,04 g/mol
- CAS [7722-64-7]
- EINECS-No.: 231-760-3
- Density: 1,03 g/cm³
- Solub. in water: (20 °C): miscible
- ADR: 9 M6 III UN 3082
- IMDG: 9 III UN 3082

- IATA/ICAO: 9 III UN 3082
- GHS-H sentences: H411
- GHS-P sentences: P273 - P391 - P501a
- Tariff number: 2841 61 00 00
- Applications: analytical chemistry, laboratory reagent.

amount of substance: 3,160 g KMnO_4
 concentrated solution 0,2 mol/l \pm 0,1 %

| ART. NO. | VOLUME | CONTAINER |
|------------|--------|-----------|
| PO033300GA | u. | 0 |

POTASSIUM PEROXODISULFATE

PO0350 Potassium peroxodisulfate, EssentQ®, Reag. Ph Eur



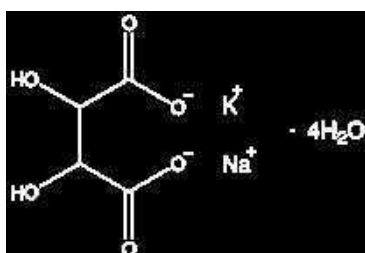
- Synonyms: Potassium persulfate, Peroxydisulfuric acid dipotassium salt
- $\text{K}_2\text{S}_2\text{O}_8$
- M = 270,33 g/mol
- CAS [7727-21-1]
- EINECS-No.: 231-781-8
- Solub. in water: (20 °C): 47 g/l
- Melting point: 100 °C (decomposes)
- LD 50 (oral, rat): 802 mg/kg
- ADR: 5.1 O2 III UN 1492
- IMDG: 5.1 III UN 1492
- IATA/ICAO: 5.1 III UN 1492
- GHS-signal word: Danger
- GHS-H sentences: H334 - H272 - H302 - H335 - H315 - H319 - H317

- GHS-P sentences: P221 - P210 - P285 - P305 + P351 + P338 - P405 - P501a
- Tariff number: 2833 40 00 10
- Applications: analytical chemistry, laboratory reagent, cosmetics, photography.
- Appearance: White crystalline powder

assay (iodometric) min. 98 %
 insoluble in water max. 0,02 %
 chlorides (Cl) max. 0,005 %
 copper (Cu) max. 0,005 %
 heavy metals (as Pb) max. 0,005 %
 iron (Fe) max. 0,002 %
 lead (Pb) max. 0,005 %
 manganese (Mn) max. 5 ppm
 nickel (Ni) max. 0,005 %

| ART. NO. | VOLUME | CONTAINER |
|------------|--------|-----------|
| PO03500500 | 500 g | 0 |
| PO03501000 | 1 kg | 0 |
| PO0350005P | 5 kg | 0 |

POTASSIUM SODIUM TARTRATE TETRAHYDRATE



- Synonyms: Sodium potassium tartrate, Tartaric acid potassium sodium salt
- $\text{C}_4\text{H}_4\text{KNaO}_6 \cdot 4\text{H}_2\text{O}$
- M = 282,23 g/mol
- CAS [6381-59-5]
- EINECS-No.: 205-698-2
- Solub. in water: (20 °C): 630 g/l
- Melting point: 70 - 80 °C
- Tariff number: 2918 13 00 00

- Applications: analytical chemistry, laboratory reagent, in food industry, in fertilizer compositions, in the electronic industry.