

PO0285 Potassium nitrate, extra pure, Pharpur®, Ph Eur, BP, USP



assay (acidimetric, referred to dried sample) . . . . . 99,0 - 101,0 %  
 assay (acidimetric) . . . . . 99,0 - 100,5 %  
 identification . . . . . passes test  
 appearance of solution . . . . . clear and colourless  
 acidity or alkalinity . . . . . passes test  
 chlorides (Cl) . . . . . max. 0,0020 %  
 nitrites (NO<sub>2</sub>) . . . . . max. 0,0005 %  
 sulfates (SO<sub>4</sub>) . . . . . max. 0,0150 %  
 ammonium (NH<sub>4</sub>) . . . . . max. 0,0100 %  
 arsenic (As) . . . . . max. 0,0003 %

calcium (Ca) . . . . . max. 0,0100 %  
 iron (Fe) . . . . . max. 0,0010 %  
 lead (Pb) . . . . . max. 0,0010 %  
 sodium (Na) . . . . . max. 0,1 %  
 reducing substances . . . . . passes test  
 loss on drying (105 °C) . . . . . max. 0,5 %  
 Residual solvents are analysed according to guideline CPMP/ICH/283/95.  
 Elemental impurities are analysed according to guideline CHMP/ICH/353369/2013.

ART. NO.	VOLUME	CONTAINER
PO02850500	500 g	
PO02851000	1 kg	
PO0285005P	5 kg	
PO0285025P	25 kg	

PO0287 Potassium nitrate, ExpertQ®, for analysis, ACS, ISO, Reag. Ph Eur



assay (acidimetric, referred to dried sample) . . . . . 99,0 - 101,0 %  
 assay (acidimetric) . . . . . min 99 %  
 appearance of solution . . . . . clear and colourless  
 insoluble in water . . . . . max. 0,005 %  
 acidity or alkalinity . . . . . passes test  
 pH (5 %, H<sub>2</sub>O) . . . . . 5 - 8  
 chlorides (Cl) . . . . . max. 0,001 %  
 iodates (IO<sub>3</sub>) . . . . . max. 0,0005 %  
 nitrites (NO<sub>2</sub>) . . . . . max. 0,001 %  
 phosphates (as PO<sub>4</sub>) . . . . . max. 0,0005 %

sulfates (SO<sub>4</sub>) . . . . . max. 0,003 %  
 ammonium (NH<sub>4</sub>) . . . . . max. 0,001 %  
 calcium (Ca) . . . . . max. 0,001 %  
 copper (Cu) . . . . . max. 0,0001 %  
 heavy metals . . . . . max. 0,0005 %  
 iron (Fe) . . . . . max. 0,0003 %  
 lead (Pb) . . . . . max. 0,0001 %  
 magnesium (Mg) . . . . . max. 0,002 %  
 sodium (Na) . . . . . max. 0,005 %  
 reducing substances . . . . . passes test  
 identity (IR-spectrum) . . . . . passes test

ART. NO.	VOLUME	CONTAINER
PO02870500	500 g	
PO02871000	1 kg	
PO0287005P	5 kg	

**POTASSIUM NITRITE**

PO0290 Potassium nitrite, crystallized, ExpertQ®, for analysis, ACS



- Synonyms: Nitrous acid potassium salt
- KNO<sub>2</sub>
- M = 85,11 g/mol
- CAS [7758-09-0]
- EINECS-No.: 231-832-4
- Solub. in water: (20 °C): soluble
- Melting point: 440 °C
- EC-Index-No.: 007-011-00-X
- ADR: 5.1 O2 II UN 1488
- IMDG: 5.1 II UN 1488
- IATA/ICAO: 5.1 II UN 1488
- GHS-signal word: Danger
- GHS-H sentences: H272 - H301 - H400

- GHS-P sentences: P221 - P210 - P220 - P321 - P405 - P501a
- Tariff number: 2834 10 00 00
- Applications: analytical chemistry, laboratory reagent, in food industry, preservative agent (E-249), for determination of: aminoacids, cobalt, iodine, urea.

assay (permanganometric) . . . . . min. 96,0 %  
 insoluble in water . . . . . max. 0,01 %  
 pH (5 %, H<sub>2</sub>O) . . . . . 7,0 - 10,0  
 chlorides (Cl) . . . . . max. 0,01 %  
 sulfates (SO<sub>4</sub>) . . . . . max. 0,01 %  
 calcium (Ca) . . . . . max. 0,003 %  
 heavy metals (as Pb) . . . . . max. 0,001 %  
 iron (Fe) . . . . . max. 0,001 %  
 sodium (Na) . . . . . max. 0,5 %

ART. NO.	VOLUME	CONTAINER
PO02900250	250 g	
PO02900500	500 g	

**DI-POTASSIUM OXALATE MONOHYDRATE**



- Synonyms: Oxalic acid dipotassium salt monohydrate
- K<sub>2</sub>C<sub>2</sub>O<sub>4</sub> · H<sub>2</sub>O
- M = 184,24 g/mol
- CAS [6487-48-5]
- EINECS-No.: 209-506-8
- Solub. in water: (20 °C): 360 g/l
- EC-Index-No.: 607-007-00-3
- ADR: 6.1 T2 III UN 2811
- IMDG: 6.1 III UN 2811

- IATA/ICAO: 6.1 III UN 2811
- GHS-signal word: Warning
- GHS-H sentences: H302 - H312
- GHS-P sentences: P280 - P264 - P270 - P322 - P363 - P501a
- Tariff number: 2917 11 00 99
- Applications: analytical chemistry, for determination of: manganese.
- Appearance: Colourless solid

PO0309 di-Potassium oxalate monohydrate, EssentQ®



assay (permanganometric) . . . . . min. 99 %  
 insoluble in water . . . . . max. 0,025 %  
 pH (5 %, H<sub>2</sub>O) . . . . . 7 - 8,5  
 chlorides (Cl) . . . . . max. 0,002 %  
 sulfates (SO<sub>4</sub>) . . . . . max. 0,02 %  
 ammonium (NH<sub>4</sub>) . . . . . max. 0,005 %

copper (Cu) . . . . . max. 0,003 %  
 heavy metals (as Pb) . . . . . max. 0,002 %  
 iron (Fe) . . . . . max. 0,001 %  
 lead (Pb) . . . . . max. 0,002 %  
 nickel (Ni) . . . . . max. 0,003 %

ART. NO.	VOLUME	CONTAINER
PO03090500	500 g	
PO03091000	1 kg	
PO0309005P	5 kg	