

PO0259 Potassium dihydrogen phosphate, extra pure, Phampur®, Ph Eur, BP, NF

assay (acidimetric, on dried sample) 98,0 - 100,5 %
 assay (acidimetric, referred to dried sample) 98,0 - 100,5 %
 identification passes test
 appearance of solution (10 %, H₂O) clear and colourless
 insoluble in water max. 0,2%
 pH (5 %, H₂O) 4,2 - 4,5
 chlorides (Cl) max. 200 ppm
 sulfates (SO₄) max. 300 ppm
 arsenic (As) max. 2 ppm

lead (Pb) max. 5 ppm
 fluorides (F) max. 10 ppm
 iron (Fe) max. 10 ppm
 reducing substances passes test
 loss on drying (105°C, 4h) max. 1,0 %
 loss on drying (130°C) max. 2,0 %
 Elemental impurities are analysed according to guideline CHMP/ICH/353369/2013.
 Residual solvents are analysed according to guideline CPMP/ICH/283/95.

ART. NO.	VOLUME	CONTAINER
PO02590500	500 g	
PO02591000	1 kg	
PO0259005P	5 kg	
PO0259025P	25 kg	

PO0260 Potassium dihydrogen phosphate, ExpertQ®, for analysis, ACS, ISO, Reag. Ph Eur

assay (acidimetric, on dried sample) min. 99,5 %
 assay (acidimetric, referred to dried sample) 98,0 - 100,5 %
 assay (acidimetric) min. 99,0 %
 identity (IR-spectrum) passes test
 appearance of solution (10 %, H₂O) clear and colourless
 insoluble in water max. 0,01 %
 pH (5 %, H₂O) 4,2 - 4,5
 chlorides (Cl) max. 5 ppm

sulfates (SO₄) max. 0,003 %
 total nitrogen (as N) max. 0,001 %
 arsenic (As) max. 2 ppm
 heavy metals max. 0,001 %
 iron (Fe) max. 10 ppm
 sodium (Na) max. 0,005 %
 reducing substances passes test
 loss on drying (105 °C, 2 h) max. 0,2 %
 loss on drying (110 °C) max. 0,2 %
 loss on drying (130 °C) max. 2,0 %

ART. NO.	VOLUME	CONTAINER
PO02600250	250 g	
PO02600500	500 g	
PO02601000	1 kg	
PO0260005P	5 kg	
PO0260025P	25 kg	

PO0261 Potassium dihydrogen phosphate, HPLC grade

assay (acidimetric) min. 99,5 %
 identity (IR-spectrum) passes test
 insoluble matter passes test
 pH (5 %, H₂O) 4,2 - 4,5
 chlorides (Cl) max. 0,0005 %
 iron (Fe) max. 5 ppm
 heavy metals (as Pb) max. 5 ppm

max. absorbance of an aqueous sol. 10 % in a 1,0 cm cell at wavelength absorbance
 210 nm 0,1 AU
 220 nm 0,06 AU
 230 nm 0,04 AU
 300 nm 0,02 AU

ART. NO.	VOLUME	CONTAINER
PO02610250	250 g	

PO0262 Potassium dihydrogen phosphate, molecular biology grade

assay (acidimetric) min. 99,5 %
 absorbance of an aqueous solution 0,1 M in a 1 cm cell at 260 nm max. 0,005 AU
 absorbance of an aqueous solution

0,1 M in a 1 cm cell at 280 nm max. 0,005 AU
 heavy metals (as Pb) max. 0,001 %
 DNases, RNases, Proteases non detected

ART. NO.	VOLUME	CONTAINER
PO02620100	100 g	
PO02621000	1 kg	

POTASSIUM DISULFITE

- Synonyms: Potassium metabisulfite, Potassium pyrosulfite
- K₂S₂O₅
- M = 222,33 g/mol
- CAS [16731-55-8]
- EINECS-No.: 240-795-3

- Solub. in water: (20 °C): 450 g/l
- Melting point: 190 °C
- LD 50 (oral, rat): 2300 mg/kg
- GHS-signal word: Danger
- GHS-H sentences: H318 - H335 - EUH031

- GHS-P sentences: P261 - P280 - P305 + P351 + P338 - P304 + P340 - P405 - P501a
- Tariff number: 2832 20 00 00
- Applications: analytical chemistry, laboratory reagent, inorganic salts, preservative agent (in food industry).

PO0242 Potassium disulfite, extra pure, Phampur®, Ph Eur, NF



assay (iodometric) 95,0 - 101,0 %
 assay (iodometric, as SO₂) 51,8 - 57,6 %
 identification passes test
 appearance of solution clear and colourless
 pH (5 %, H₂O) 3,0 - 4,5
 thiosulfates (S₂O₃) passes test
 iron (Fe) max. 10 ppm

selenium (Se) max. 10 ppm
 zinc (Zn) max. 25 ppm
 Elemental impurities are analysed according to guideline CHMP/ICH/353369/2013.
 Residual solvents are analysed according to guideline CPMP/ICH/283/95.

ART. NO.	VOLUME	CONTAINER
PO02421000	1 kg	

PO0241 Potassium disulfite, ExpertQ®, for analysis



assay (iodometric) min. 96 %
 insoluble in water max. 0,005 %
 chlorides (Cl) max. 0,005 %
 phosphates (as PO₄) max. 0,0002 %
 thiosulfates (S₂O₃) max. 0,05 %
 arsenic (As) max. 1 ppm
 copper (Cu) max. 0,001 %

iron (Fe) max. 5 ppm
 lead (Pb) max. 0,001 %
 nickel (Ni) max. 0,001 %
 zinc (Zn) max. 0,001 %

ART. NO.	VOLUME	CONTAINER
PO02410500	500 g	
PO02411000	1 kg	
PO0241005P	5 kg	
PO0241025P	25 kg	