

PO0243 Potassium hexacyanoferrate(III), ExpertQ®, for analysis, ACS, ISO

assay (iodometric) . . . . . min. 99,0 %	nickel (Ni) . . . . . max. 0,001 %
insoluble in water . . . . . max. 0,005 %	sodium (Na) . . . . . max. 0,02 %
chlorides (Cl) . . . . . max. 0,01 %	zinc (Zn) . . . . . max. 5 ppm
hexacyanoferrate (II) [Fe(CN <sub>6</sub> ) <sup>4-</sup> ] . . . . . max. 0,02 %	
sulfates (SO <sub>4</sub> ) . . . . . max. 0,005 %	
copper (Cu) . . . . . max. 0,005 %	
lead (Pb) . . . . . max. 0,002 %	

ART. NO.	VOLUME	CONTAINER
PO02430500	500 g	
PO02431000	1 kg	
PO0243005P	5 kg	
PO0243025P	25 kg	

**POTASSIUM HEXAHYDROXOANTIMONATE(V)**

PO0120 Potassium hexahydroxoantimonate(V), EssentQ®



- Synonyms: Potassium antimonate
- K[Sb(OH)<sub>6</sub>]
- M = 262,90 g/mol
- CAS [12208-13-8]
- EINECS-No.: 235-387-7
- Solub. in water: (20 °C): 20 g/l
- EC-Index-No.: 051-003-00-9
- ADR: 6.1 T5 III UN 1549
- IMDG: 6.1 III UN 1549
- IATA/ICAO: 6.1 III UN 1549
- GHS-signal word: Warning
- GHS-H sentences: H302 - H332 - H411
- GHS-P sentences: P261 - P273 - P264 - P270 - P304 + P340 - P501a
- Tariff number: 2841 90 80 00
- Applications: analytical chemistry, laboratory reagent.
- Appearance: White solid

assay (iodometric, as Sb) . . . . . 44,4 - 49,7 %  
identity (IR-spectrum) . . . . . passes test  
loss on drying (110 °C) . . . . . max. 10 %

ART. NO.	VOLUME	CONTAINER
PO01200100	100 g	

**POTASSIUM HYDROGEN CARBONATE**

PO0173 Potassium hydrogen carbonate, ExpertQ®, for analysis, Reag. Ph Eur

- Synonyms: Potassium bicarbonate
- KHCO<sub>3</sub>
- M = 100,12 g/mol
- CAS [298-14-6]
- EINECS-No.: 206-059-0
- Solub. in water: (20 °C): 224 g/l
- Melting point: 292 °C
- LD 50 (oral, rat): > 2000 mg/kg
- Tariff number: 2836 40 00 00
- Applications: in food industry, effervescent salt.
- assay (acidimetric) . . . . . min. 99,5 %
- chlorides (Cl) . . . . . max. 0,001 %
- phosphates and silicates (as SiO<sub>2</sub>) . . . . . max. 0,001 %
- sulfates (SO<sub>4</sub>) . . . . . max. 0,001 %
- total nitrogen (as N) . . . . . max. 0,001 %
- aluminium (Al) . . . . . max. 5 ppm
- calcium (Ca) . . . . . max. 5 ppm
- heavy metals (as Pb) . . . . . max. 5 ppm
- iron (Fe) . . . . . max. 5 ppm
- sodium (Na) . . . . . max. 0,02 %

ART. NO.	VOLUME	CONTAINER
PO01730500	500 g	
PO01731000	1 kg	
PO0173005P	5 kg	
PO0173025P	25 kg	

**DI-POTASSIUM HYDROGEN PHOSPHATE ANHYDROUS**

- Synonyms: Dipotassium hydrogen phosphate, Potassium phosphate dibasic
- K<sub>2</sub>HPO<sub>4</sub>
- M = 174,18 g/mol
- CAS [7758-11-4]
- EINECS-No.: 231-834-5
- Solub. in water: (20 °C): soluble
- Tariff number: 2835 24 00 00
- Applications: analytical chemistry, in buffer solutions (phosphates), nutrient media for bacterial culture.

PO0257 di-Potassium hydrogen phosphate anhydrous, extra pure, Phampur®, Ph Eur, BP, USP

- assay (acidimetric, on dried sample) . . . . . 98,0 - 100,5 %
- identification . . . . . passes test
- appearance of solution . . . . . clear and colourless
- pH (5 %, H<sub>2</sub>O) . . . . . 8,5 - 9,6
- insoluble matter . . . . . max. 0,2 %
- chlorides (Cl) . . . . . max. 200 ppm
- carbonate . . . . . passes test
- fluorides (F) . . . . . max. 0,001 %
- sulfates (SO<sub>4</sub>) . . . . . max. 0,1 %
- arsenic (As) . . . . . max. 2 ppm
- iron (Fe) . . . . . max. 10 ppm
- sodium (Na) . . . . . passes test
- potassium dihydrogen phosphate . . . . . max. 2,5 %
- potassium dihydrogen phosphate or tri-potassium phosphate . . . . . passes test
- reducing substances . . . . . passes test
- loss on drying (105 °C) . . . . . 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
PO02570500	500 g	
PO02571000	1 kg	
PO0257005P	5 kg	
PO0257025P	25 kg	

PO0258 di-Potassium hydrogen phosphate anhydrous, ExpertQ®, for analysis, ACS, Reag. Ph Eur

- assay (acidimetric, on dried sample) . . . . . min. 99,0 %
- identity (IR-spectrum) . . . . . passes test
- insoluble in water . . . . . max. 0,01 %
- pH (5 %, H<sub>2</sub>O) . . . . . 8,5 - 9,6
- chlorides (Cl) . . . . . max. 0,003 %
- sulfates (SO<sub>4</sub>) . . . . . max. 0,005 %
- nitrogen compounds (as N) . . . . . max. 0,001 %
- heavy metals . . . . . max. 5 ppm
- iron (Fe) . . . . . max. 0,001 %
- sodium (Na) . . . . . max. 0,05 %
- loss on drying (105 °C) . . . . . max. 1,0 %

ART. NO.	VOLUME	CONTAINER
PO02580500	500 g	
PO02581000	1 kg	
PO0258005P	5 kg	
PO0258025P	25 kg	