

POTASSIUM HYDROGEN SULFATE

PO0272 Potassium hydrogen sulfate, EssentQ®



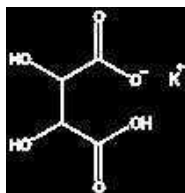
- Synonyms: Potassium bisulfate
- KHSO_4
- $M = 136,17 \text{ g/mol}$
- CAS [7646-93-7]
- EINECS-No.: 231-594-1
- Solub. in water: (20 °C): 490 g/l (exothermic process)
- Melting point: 210 °C (decomposes)
- LD 50 (oral, rat): 2340 mg/kg
- EC-Index-No.: 016-056-00-4
- ADR: 8 C2 II UN 2509
- IMDG: 8 II UN 2509
- IATA/ICAO: 8 II UN 2509
- GHS-signal word: Danger
- GHS-H sentences: H314 - H335
- GHS-P sentences: P260 - P303 + P361 + P353 - P305 + P351 + P338 - P321 - P405 - P501a
- Tariff number: 2833 29 90 00
- Applications: analytical chemistry, laboratory reagent, for determination of: silicon compounds and ores.

assay (acidimetric) min. 99 %
 chlorides (Cl) max. 0,003 %
 nitrates (NO_3) max. 0,005 %
 phosphates (as PO_4) max. 0,005 %
 aluminium (Al) max. 0,002 %
 calcium (Ca) max. 0,01 %
 arsenic (As) max. 5 ppm
 copper (Cu) max. 0,005 %
 heavy metals (as Pb) max. 0,004 %
 iron (Fe) max. 0,002 %
 lead (Pb) max. 0,005 %
 magnesium (Mg) max. 0,01 %
 nickel (Ni) max. 0,01 %

ART. NO.	VOLUME	CONTAINER
PO02720500	500 g	
PO02721000	1 kg	
PO0272005P	5 kg	

POTASSIUM HYDROGEN TARTRATE

PO0150 Potassium hydrogen tartrate, extra pure, Phampur®, Ph Eur, BP



- Synonyms: Potassium bitartrate, Tartaric acid monopotassium salt
- $\text{C}_4\text{H}_5\text{KO}_6$
- $M = 188,14 \text{ g/mol}$
- CAS [868-14-4]
- EINECS-No.: 212-769-1
- Solub. in water: (20 °C): 5,7 g/l
- Melting point: ~ 250 °C (decomposes)
- Tariff number: 2918 13 00 90
- Applications: in food industry, in galvanotechnia, colouring agent (metals), in pharma industry.

assay (acidimetric, on dried sample) 99,5 - 100,5 %
 identification passes test
 free acid (as tartaric acid) max. 0,2 %
 specific rotation ($[\alpha]_{20^\circ\text{D}}$) + 8,0° - + 9,2°
 chlorides (Cl) max. 0,05 %
 sulfates (SO_4) max. 0,05 %
 oxalic acid ($\text{C}_2\text{H}_2\text{O}_4$) max. 0,05 %
 barium (Ba) passes test
 heavy metals (as Pb) max. 0,001 %
 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
PO01500500	500 g	
PO01501000	1 kg	
PO0150025P	25 kg	

POTASSIUM HYDROXIDE

- Synonyms: Potash caustic, Potassium hydrate, Potassium oxide hydrate
- KOH
- $M = 56,11 \text{ g/mol}$
- CAS [1310-58-3]
- EINECS-No.: 215-181-3
- Solub. in water: (20 °C): soluble
- Melting point: 360 °C

- Boiling point: 1320 °C
- LD 50 (oral, rat): 273 mg/kg
- EC-Index-No.: 019-002-00-8
- ADR: 8 C6 II UN 1813
- IMDG: 8 II UN 1813
- IATA/ICAO: 8 II UN 1813
- GHS-signal word: Danger
- GHS-H sentences: H314 - H302

- GHS-P sentences: P260 - P303 + P361 + P353 - P305 + P351 + P338 - P321 - P405 - P501a
- Tariff number: 2815 20 10 00
- Applications: analytical chemistry, laboratory reagent, titrant in volumetric analysis, synthesis of organic products, in the pharmaceuticals industry.

PO0263 Potassium hydroxide, 90%, flakes, EssentQ®



assay (acidimetric) approx. 90 %
 insoluble in water max. 0,05 %
 chlorides (Cl) max. 0,02 %
 sulfates (SO_4) max. 0,05 %

arsenic (As) max. 3 ppm
 iron (Fe) max. 0,005 %
 lead (Pb) max. 0,005 %

ART. NO.	VOLUME	CONTAINER
PO02631000	1 kg	
PO0263005P	5 kg	

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