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**PO0266 Potassium hydroxide, pellets, extra pure, Phampur®, Ph Eur, BP, NF**



assay (acidimetric) . . . . . 85,0 - 100,5%  
potassium (K) . . . . . min. 59,9%  
appearance of solution . . . . . clear and colourless  
identification . . . . . passes test  
insoluble matter . . . . . passes test  
carbonates (as K<sub>2</sub>CO<sub>3</sub>) . . . . . max. 2,0 %  
chlorides (Cl) . . . . . max. 200 ppm  
phosphates (as PO<sub>4</sub>) . . . . . max. 100 ppm

sulfates (SO<sub>4</sub>) . . . . . max. 200 ppm  
iron (Fe) . . . . . max. 10 ppm  
sodium (Na) . . . . . max. 1,0 %  
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
PO02660500	500 g	
PO02661000	1 kg	
PO0266005P	5 kg	
PO0266025P	25 kg	

**PO0268 Potassium hydroxide, pellets, ExpertQ®, for analysis, ISO, Reag. Ph Eur**



aluminium (Al) . . . . . max. 0,002 %  
appearance of solution . . . . . clear and colourless  
assay (acidimetric) . . . . . 85,0 - 100,5%  
calcium (Ca) . . . . . max. 0,002 %  
carbonates (as K<sub>2</sub>CO<sub>3</sub>) . . . . . max. 1,5 %  
chlorides (Cl) . . . . . max. 0,005 %  
identity (IR-spectrum) . . . . . passes test  
iron (Fe) . . . . . max. 0,0010 %  
lead (Pb) . . . . . max. 0,001 %

magnesium (Mg) . . . . . max. 0,0005 %  
nickel (Ni) . . . . . max. 0,001 %  
phosphates (as PO<sub>4</sub>) . . . . . max. 0,001 %  
silicates (SiO<sub>2</sub>) . . . . . max. 0,01 %  
sodium (Na) . . . . . max. 0,5 %  
sulfates (SO<sub>4</sub>) . . . . . max. 0,005 %  
total nitrogen (as N) . . . . . max. 0,001 %  
zinc (Zn) . . . . . max. 0,001 %

ART. NO.	VOLUME	CONTAINER
PO02681000	1 kg	
PO0268025P	25 kg	

**PO0275 Potassium hydroxide, pellets, ExpertQ®, for analysis, ACS, ISO, Reag. Ph Eur**



assay (acidimetric) . . . . . 85,0 - 100,5%  
identity . . . . . passes test  
appearance of solution . . . . . passes test  
carbonates (as K<sub>2</sub>CO<sub>3</sub>) . . . . . max. 1,0 %  
chlorides (Cl) . . . . . max. 0,0005 %  
phosphates (as PO<sub>4</sub>) . . . . . max. 0,0005 %  
silicates (SiO<sub>2</sub>) . . . . . max. 0,002 %  
sulfates (SO<sub>4</sub>) . . . . . max. 0,0005 %  
total nitrogen (as N) . . . . . max. 0,0003 %  
aluminium (Al) . . . . . max. 2 ppm  
cadmium (Cd) . . . . . max. 0,1 ppm

calcium (Ca) . . . . . max. 5 ppm  
copper (Cu) . . . . . max. 1 ppm  
heavy metals . . . . . max. 0,001 %  
iron (Fe) . . . . . max. 5 ppm  
lead (Pb) . . . . . max. 1 ppm  
magnesium (Mg) . . . . . max. 5 ppm  
manganese (Mn) . . . . . max. 0,5 ppm  
nickel (Ni) . . . . . max. 1 ppm  
sodium (Na) . . . . . max. 0,05 %  
zinc (Zn) . . . . . max. 1 ppm

ART. NO.	VOLUME	CONTAINER
PO02750500	500 g	
PO02751000	1 kg	
PO0275005P	5 kg	
PO0275025P	25 kg	

## POTASSIUM HYDROXIDE, SOLUTION 40% W/V

**PO0273 Potassium hydroxide, solution 40% w/v, EssentQ®**



- Synonyms: Caustic potash, Potassium hydrate, Potassium oxide hydrate
- KOH
- M = 56,11 g/mol
- CAS [1310-58-3]
- EINECS-No.: 215-181-3
- Density: 1,29 g/cm<sup>3</sup>
- Solub. in water: (20 °C): miscible
- LD 50 (oral, rat): 273 mg/kg (pure substance)
- EC-Index-No.: 019-002-00-8
- ADR: 8 C5 II UN 1814
- IMDG: 8 II UN 1814
- IATA/ICAO: 8 II UN 1814
- 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 90 00
- Applications: laboratory reagent, synthesis of organic products, perfumery.

assay (acidimetric) . . . . . min. 40 %  
carbonates (as Na<sub>2</sub>CO<sub>3</sub>) . . . . . max. 1 %  
chlorides (Cl) . . . . . max. 0,002 %  
phosphates (as PO<sub>4</sub>) . . . . . max. 0,002 %  
silicates (SiO<sub>2</sub>) . . . . . max. 0,005 %  
sulfates (SO<sub>4</sub>) . . . . . max. 0,003 %  
total nitrogen (as N) . . . . . max. 0,005 %  
aluminium (Al) . . . . . max. 0,001 %  
heavy metals (as Pb) . . . . . max. 0,001 %  
iron (Fe) . . . . . max. 0,001 %

ART. NO.	VOLUME	CONTAINER
PO02731000	1 l	

## POTASSIUM HYDROXIDE, VOLUMETRIC SOLUTIONS

**PO0288 Potassium hydroxide, solution 2 mol/l (2 N)**



- KOH
- M = 56,11 g/mol
- CAS [1310-58-3]
- EINECS-No.: 215-181-3
- Density: ~ 1,09 g/cm<sup>3</sup>
- EC-Index-No.: 019-002-00-8
- ADR: 8 C5 II UN 1814
- IMDG: 8 II UN 1814
- IATA/ICAO: 8 II UN 1814
- GHS-signal word: Danger
- GHS-H sentences: H314
- GHS-P sentences: P260 - P303 + P361 + P353 - P305 + P351 + P338 - P321 - P405 - P501a
- Tariff number: 2815 20 90 00

- Applications: analytical chemistry, laboratory reagent, titrant in volumetric analysis.

factor . . . . . 0,999 - 1,001  
uncertainty ± 0,001  
1 ml = 0,11222 g KOH  
This volumetric solution was checked by means of potentiometric methods using Scharlab's potassium hydrogen phthalate volumetric standard. Scharlab's volumetric standards are directly traceable to the Standard Reference Materials from NIST (National Institute of Standards and Technology, USA).

ART. NO.	VOLUME	CONTAINER
PO02881000	1 l	