

POTASSIUM BROMATE, VOLUMETRIC SOLUTIONS

PO0165 Potassium bromate, solution 1/60 mol/l (0.1 N) 

- KBrO_3
- $M = 167,01 \text{ g/mol}$
- CAS [7758-01-2]
- EINECS-No.: 231-829-8
- Density: $\sim 1,002 \text{ g/cm}^3$
- LD 50 (oral, rat): 157 mg/kg (pure substance)
- EC-Index-No.: 035-003-00-6
- GHS-signal word: Danger
- GHS-H sentences: H350
- GHS-P sentences: P281 - P201 - P202 - P308 + P313 - P405 - P501a
- Tariff number: 2829 90 40 00
- Applications: analytical chemistry.

factor 0,999 - 1,001
 uncertainty $\pm 0,001$
 $1 \text{ ml} = 0,0027835 \text{ g KBrO}_3$
 This volumetric solution was checked by means of potentiometric methods using a sodium thiosulfate standard solution, that was also checked against Scharlau's potassium iodate volumetric standard. Scharlau's volumetric standards are directly traceable to the Standard Reference Materials from NIST (National Institute of Standards and Technology, USA).

ART. NO.	VOLUME	CONTAINER
PO01651000	1 l	

POTASSIUM BROMIDE

- KBr
- $M = 119,01 \text{ g/mol}$
- CAS [7758-02-3]
- EINECS-No.: 231-830-3

- Solub. in water: (20 °C): 540 g/l
- Melting point: 730 °C
- Boiling point: 1380 °C
- Vapour pressure: (795 °C) 1,3 hPa

- LD 50 (oral, rat): 3070 mg/kg
- Tariff number: 2827 51 00 00
- Applications: analytical chemistry, laboratory reagent, photography.

PO0166 Potassium bromide, EssentQ®

assay (argentometric) min. 99,5 %

ART. NO.	VOLUME	CONTAINER
PO0166025P	25 kg	
PO01660500	500 g	

ART. NO.	VOLUME	CONTAINER
PO01661000	1 kg	
PO0166005P	5 kg	

PO0167 Potassium bromide, ExpertQ®, for analysis, ACS

assay (argentometric) min. 99,5 %
 identity passes test
 appearance of solution passes test
 insoluble in water max. 0,005 %
 pH (5 %, H_2O) 5,0 - 8,8
 acidity or alkalinity passes test
 bromates (BrO_3) max. 0,001 %
 chlorides (Cl) max. 0,1 %
 iodates (IO_3) max. 0,001 %
 iodides (I) max. 0,001 %
 sulfates (SO_4) max. 0,005 %
 total nitrogen (as N) max. 0,001 %

arsenic (As) max. 1 ppm
 barium (Ba) max. 0,002 %
 cadmium (Cd) max. 5 ppm
 calcium (Ca) max. 0,001 %
 copper (Cu) max. 5 ppm
 heavy metals (as Pb) max. 5 ppm
 iron (Fe) max. 5 ppm
 lead (Pb) max. 5 ppm
 magnesium (Mg) max. 0,001 %
 sodium (Na) max. 0,02 %
 zinc (Zn) max. 5 ppm
 loss on drying (105 °C) max. 0,5 %

ART. NO.	VOLUME	CONTAINER
PO01670500	500 g	
PO01671000	1 kg	

PO0168 Potassium bromide, IR spectroscopy grade

suitability for IR spectroscopy passes test

ART. NO.	VOLUME	CONTAINER
PO01680100	100 g	

ART. NO.	VOLUME	CONTAINER
PO01680250	250 g	

POTASSIUM CARBONATE

- Synonyms: Potash
- K_2CO_3
- $M = 138,21 \text{ g/mol}$
- CAS [584-08-7]
- EINECS-No.: 209-529-3
- Solub. in water: (20 °C): soluble

- Melting point: 891 °C
- LD 50 (oral, rat): $> 2000 \text{ mg/kg}$
- GHS-signal word: Warning
- GHS-H sentences: H315 - H319 - H335
- GHS-P sentences: P261 - P280 - P305 + P351 + P338 - P321 - P405 - P501a

- Tariff number: 2836 40 00 00
- Applications: analytical chemistry, laboratory reagent, manufacture of glass, in the ceramics industry, inorganic salts, cosmetics.