PO0167
Potassium bromide, for analysis, ExpertQ®, ACS

Identification

KBr
M = 119,01 g/mol
CAS [7758-02-3]
EC number: 231-830-3
Taric code: 2827 51 00

Applications

analytical chemistry, laboratory reagent, photography.

Specifications

assay (argentometric)	min. 99,5 %	arsenic (As)	max. 1 ppm
identity	passes test	barium (Ba)	max. 0,002 %
appearance of solution	passes test	cadmium (Cd)	max. 5 ppm
insoluble in water	max. 0,005 %	calcium (Ca)	max. 0,001 %
pH (5 %, H2O)	5,0 - 8,8	copper (Cu)	max. 5 ppm
acidity or alkalinity	passes test	heavy metals (as Pb)	max. 5 ppm
bromates (BrO3)	max. 0,001 %	iron (Fe)	max. 5 ppm
chlorides (Cl)	max. 0,1 %	lead (Pb)	max. 5 ppm
iodates (IO3)	max. 0,001 %	magnesium (Mg)	max. 0,001 %
iodides (I)	max. 0,001 %	sodium (Na)	max. 0,02 %
sulfates (SO_4)	max. 0,005 %	zinc (Zn)	max. 5 ppm
total nitrogen (as N)	max. 0,001 %	loss on drying (105 ºC)	max. 0,5 %

Physical data

- Appearance: crystals, colourless or white
- Spec. Density: 2,75 g/cm^3
- Bulk density: ~ 900 - 1000 kg/m^3
- Solub. in water: (20 ºC): 540 g/l
- Melting point: 730 ºC
- Boiling point: 1380 ºC
- Vapour pressure: (795 ºC) 1,3 hPa
- pH(50 g/l H_2O, 20 ºC) 5,5 - 8,5
- Hygroscopic

Safety - GHS

Signal Word: Warning

Hazard Statements:

H319: Causes serious eye irritation.

Precautionary Statements:

P280: Wear protective gloves / protective clothing / eye protection / face protection.
P264: Wash thoroughly after handling.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313: If eye irritation persists: Get medical advice / attention.