

Potassium carbonate, for analysis, ExpertQ®, ACS, ISO, Reag. Ph Eur

Identification

K_2CO_3
M = 138,21 g/mol
CAS [584-08-7]
EC number: 209-529-3
Taric code: 2836 40 00

Synonyms

Potash

Applications

analytical chemistry, laboratory reagent, manufacture of glass, in the ceramics industry, inorganic salts, cosmetics.

Specifications

assay (acidimetric, on dried sample).....	min. 99,0 %	total sulphur (as SO_4).....	max. 0,003 %
assay (acidimetric).....	min. 99,0 %	calcium (Ca).....	max. 0,002 %
identity (IR-spectrum).....	passes test	copper (Cu).....	max. 5 ppm
insoluble matter.....	max. 0,005 %	heavy metals.....	max. 5 ppm
chlorides (Cl).....	max. 0,003 %	iron (Fe).....	max. 5 ppm
phosphates (as PO_4).....	max. 0,001 %	lead (Pb).....	max. 5 ppm
phosphates and silicates (as SiO_2).....	max. 0,005 %	magnesium (Mg).....	max. 0,002 %
silicates (SiO_2).....	max. 0,005 %	sodium (Na).....	max. 0,02 %
total nitrogen (as N).....	max. 0,001 %	loss on drying (300 °C).....	max. 1,0 %

Physical data

- Appearance: granular powder, white
- Spec. Density: 2,43 g/cm³
- Bulk density: ~ 750 kg/m³
- Solub. in water: (20 °C): soluble
- Melting point: 891 °C
- pH(50 g/l H_2O , 20 °C) ~ 11,5 - 12,5

Safety - GHS

Signal Word: Warning

Hazard Statements:

- H315: Causes skin irritation.
H319: Causes serious eye irritation.
H335: May cause respiratory irritation.



Precautionary Statements:

- P261: Avoid breathing dust / fume / gas / mist / vapours / spray.
P280: Wear protective gloves / protective clothing / eye protection / face protection.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321: Specific treatment (see on this label).
P405: Store locked up.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- 10°C - 30°C