

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, in pharma industry.

Specifications

assay (acidimetric, referred to dried sample).....	99,5 - 100,5 %	insoluble matter.....	passes test
Identification A (EP).....	passes test	chlorides (Cl).....	max. 100 ppm
Identification carbonates.....	passes test	sulfates (SO ₄).....	max. 100 ppm
Identification bicarbonates.....	passes test	calcium (Ca).....	max. 100 ppm
Identification potassium.....	passes test	iron (Fe).....	max. 10 ppm
appearance of solution.....	passes test	loss on drying (125 °C, 5 h).....	max. 5,0 %
		loss on drying (180 °C, 4h)	max. 0,5 %

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 H₂O, 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