

**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 <sub>4</sub> ).....	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/cm<sup>3</sup>
- Bulk density: ~ 750 kg/m<sup>3</sup>
- Solub. in water: (20 °C): soluble
- Melting point: 891 °C
- pH(50 g/l H<sub>2</sub>O, 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