



Product Specification

Product Name: POTASSIUM CARBONATE Anhydrous AR

Alternate Name(s)

Description

White powder.

Properties

Chemical Formula: K_2CO_3

Molecular Weight: 138.21

Product Code: PA021

CAS No. 584-08-7

General Information:

Soluble in water; insoluble in alcohol. Non combustible material.

Hazard and Safety Data

UN Group: None Allocated

Class: None Allocated

UN Number: None Allocated

Hazchem code: None Allocated

CS MSDS Code: 1CH56

Poison schedule: S5

Emergency

Procedure Guide No.: N/A

Quality Specification

Assay: 99.0% min.

Specific Properties and Impurities [Typical levels]:

Melting Point	891°C
Specific Gravity (@ 19 °C)	2.428
Solubility in Water (@ 20 °C)	1120 g/L
Chloride (Cl)	≤ 0.003%
Insoluble matter	≤ 0.01%
Phosphate (PO4)	≤ 0.001%
Silica (SiO2)	≤ 0.005%
Sulfate (SO4)	≤ 0.004%
Heavy metals (as Pb)	≤ 0.0005%
Iron (Fe)	≤ 0.0005%
Sodium (Na)	≤ 0.02%
Calcium (Ca)	≤ 0.005%
Magnesium (Mg)	≤ 0.002%
Sulfur compounds (as SO4)	≤ 0.004%

CONFORMS TO ACS

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