



Changsha RuiYang Material Co., Ltd.
长沙金睿洋新材料有限公司

Technical Data Sheet

Potassium Carbonate

Product: Potassium Carbonate
Molecular Formula: K₂CO₃
Molecular Weight: 138.21 g/mol
Cas No.: 584-08-7
Density: 2.43 g/cm³
UN No. Non-hazardous for transport
HS Code: 28364000

CHEMICAL ANALYSIS

Item	Indicators		Analysis Result
	Excellence in goods	First grade	
Purity (K ₂ CO ₃)	≥99.0%	≥98.0%	99.4%
Potassium oxide (K ₂ O)	≥66.0%	≥64.0%	66.5%
Chloride (KCl)	≤0.05%	≤0.10%	0.03%
Sulfate (SO ₄)	≤0.05%	≤0.10%	0.03%
Iron (Fe)	≤10 ppm	≤20 ppm	6 ppm
Loss on ignition	≤0.5%	≤1.0%	0.4%

Chemical Properties

Chemical Properties: White hygroscopic powder. Density: 2.43 g/cm³.