

Technical Data Sheet

LITHIUM CARBONATE (Battery Grade)
Formula: Li_2CO_3
Formula weight: 73.89
CAS NO.: 554-13-2
Physical-chemical properties: White monoclinic crystal or alkaline powder, slightly soluble in water; soluble in dilute acid, insoluble in alcohol. Density 2.11g/cm^3 , melting point 723°C (1333°F), boiling point 1230°C (2246°F).
Application: Mostly used as cathode materials in Lithium battery industry, such as LFP, NCM, LCO, LNO, LMO and LTO batteries.
Quality Standard: Q/TJTE 3-2007

Name		LITHIUM CARBONATE (Battery Grade)	
Li ₂ CO ₃ Content (Min%)		99.5	99.9
Impurity content (Max%)	(Pb)	0.002	0.0005
	(Cu)	0.001	0.0002
	(Fe)	0.01	0.0002
	(Al)	/	0.0002
	(Mn)	/	0.0005
	(Mg)	/	0.001
	(Ca)	0.02	0.003
	(Na)	0.04	0.002
	(K)	0.01	0.001
	(Si)	/	0.004
	(Cl)	0.01	0.002
	(SO ₄)	0.1	0.003
	Hydrochloric acid Insoluble	0.05	/

This product is not crushed, which has the same impurity content with our lithium carbonate powder in small particle sizes.

Packing: By woven bag with vacuum sealed plastic bag, 25kg/bag.

By paper drum with vacuum sealed plastic bags, 20kg/drum.