

# Technical Data Sheet

LITHIUM CARBONATE (High Purity)
Formula: $\text{Li}_2\text{CO}_3$
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 $2.11\text{g/cm}^3$ , melting point $723^\circ\text{C}$ ( $1333.4^\circ\text{F}$ ), boiling point $1230^\circ\text{C}$ ( $2246^\circ\text{F}$ ).
Application: Raw material for Lithium-ion battery, raw material for various high-purity lithium salt products; material for special optical glass; material for enamel industry and medicine industry; used as catalyst / lubricant and color phosphors.
Quality Standard: Q/TJTE 7-2007

Name		LITHIUM CARBONATE (High Purity)	
$\text{Li}_2\text{CO}_3$ Content (Min%)		99.99	99.999
Impurity Content Max (ppm)	( Pb )	1	1
	( Cu )	1	1
	( Co )	1	1
	( Ni )	1	1
	( Fe )	3	1
	( Al )	3	1
	( Mn )	1	1
	( Zn )	3	1
	( Cd )	5	1
	( Cr )	1	1
	( Mg )	5	2
	( Ca )	10	5
	( Na )	10	3
	( K )	10	3
	( Si )	18	5
	( F )	50	5
	( Ti )	/	1
	( Ba )	/	2
( Rb )	/	3	
( Cs )	/	1	
( Sr )	/	2	

Packing: By double-layer plastic bag vacuum heat shrinkable sealing, 1kg/bag, 10kg/carton.  
 By woven bag with vacuum sealed plastic bag, 25kg/bag.  
 By paper drum with vacuum sealed plastic bags, 20kg/drum.