

Typical Analysis

LITHIUM

LITHIUM METAL

(Appearance : Rod, Piece and Ribbon)

CODE#	Li (% min)	Impurities (max %)							
		Na	A1	Fe	Cu	Ca	Mn	Si	Ni
RM0601	98	1.2	0.2	0.05	0.03	0.2	0.01	0.2	0.05
RM0602	98.5	0.6	0.04	0.03		0.1		0.05	0.01
RM0603	99.9	0.02	0.005	0.003	0.003	0.02	0.001	0.005	0.003
RM0604	99.99	0.001	0.0005	0.0005	0.0005	0.005	0.0005	0.001	0.0005

Rod:

Codes	Dia. (mm)	Length (mm)
LR-10	10	80
LR-15	15	90
LR-125	25	100
Wire	2--4	

Ribbon:

Codes	Thickness(mm)	Width (mm)
LF-17	0.25	17
LF-23	0.25	23
LF-36	0.3	36
LF-40	0.35	40
LF-21A	0.5	21
LF-40A	0.7	40
LF-21B	1.8	21
LF-50B	2	50

Piece:

Codes	Dia. (mm)	Thickness (mm)
LP-19	19.8	0.5
LP-8	8.3	0.5
LP-19A	19.8	1.8
LP-8A	8.3	1.8

PACKING: In iron can filled with argon, about 1kg net each, with outer iron drum.

LITHIUM METAL (Sichuan)

CODE #	Li (% min)	Impurities (% max)					
		Na	Ca	Si	Fe	K	A1
RM0701	99.9	0.01	0.01	0.006	0.005	0.01	0.005

SIZE: 120 * 150 mm

PACKING: In iron can filled with argon, about 1 kg net each, with outer iron drum.

LITHIUM CARBONATE (Xinjiang)

CODE #	Li ₂ CO ₃ (%)	Impurities (% max)					
		Na	K	Fe ₂ O ₃	CaO	Cl~	SO ₄ =
RM0801	99.2 (Typical)	0.05	0.01	0.008	0.01	0.01	0.05
RM0802	99 (Guaranteed)	0.15	0.05	0.015	0.05	0.03	0.35

PACKING: In kraft paper bag with polyethylene liner and woven plastic sack outer, 20 kgs net each.

LITHIUM CARBONATE (Hunan)

CODE #	GRADE	Li ₂ CO ₃	Impurities (% max)				
		(min %)	Na+K	SO ₄	CaO	Cl	Fe ₂ O ₃
RM0901	1	99	0.2	0.2	0.05	0.03	0.01
RM0902	2	98	0.3	0.4	0.15	0.05	0.03

PACKING: In kraft paper bag with polyethylene liner and woven plastic sack outer, 20 kgs net each.

LITHIUM CARBONATE (High Purity, Extra Pure & Pharmaceutical Grade)

CODE#	Li ₂ CO ₃ (%)min)	Impurities % max												
		Na	K	Ca	Mg	Fe	Al	Cu	Ni	Pb	Mn	Cd	Cr	F
RM1001	99.99	5*10 ⁻⁴	5*10 ⁻⁴	6*10 ⁻⁴	1*10 ⁻⁴	1*10 ⁻⁴	1*10 ⁻⁵	5*10 ⁻⁵	5*10 ⁻⁵	1*10 ⁻⁴	1*10 ⁻⁴	5*10 ⁻⁴	5*10 ⁻⁴	1*10 ⁻⁴
RM1002	99.9	2*10 ⁻³	1*10 ⁻³	2*10 ⁻²	1*10 ⁻³	5*10 ⁻⁴	1*10 ⁻³			1*10 ⁻⁴	As	SO ₂ /4-	NO ₃ -	Cl
RM1003	99.5	5*10 ⁻³	5*10 ⁻³	2*10 ⁻²	5*10 ⁻³	5*10 ⁻³	1*10 ⁻³			1*10 ⁻³	5*10 ⁻⁴	1*10 ⁻²	5*10 ⁻³	5*10 ⁻³

PACKING: In plastic bottles of 500 g net each or negotiated by both parties.

LITHIUM HYDROXIDE (Monohydrate Xinjiang)

FORMULA: LiOH . H₂O

CODE #	LiOH (%)	Impurities (% max)									
		Na	K	Fe ₂ O ₃	CaO	CO ₂	SO ₄ =	Cl-	Insol. (in HCl)		
RM1101	56.5	0.045	0.005	0.001	0.02	0.4	0.015	0.02	0.01		
RM1102	55	0.15	0.05	0.005	0.04	0.6	0.10	0.05	0.15		

PACKING: In kraft paper bag with polyethylene liner and woven plastic sack outer, 25 kgs net each.

LITHIUM HYDROXIDE (Monohydrate)(Hunan)

FORMULA: LiOH . H₂O

CODE #	GRADE	LiOH (min %)	Impurities (% max)						
			Na+K	Fe ₂ O ₃	CaO	CO ₂	SO ₄	Cl	Water Insolubles
RM1201	1	56.5	0.05	0.001	0.02	0.40	0.05	0.02	0.01
RM1202	2	55	0.20	0.004	0.40	0.60	0.10	0.05	0.10
RM1203	3	54	0.40	0.01	0.10	1.00	0.20	0.10	0.20

PACKING: In kraft paper bag with polyethylene liner and woven plastic sack outer, 25 kgs net each.

LITHIUM CHLORIDE

FORMULA: LiCl

CODE #	LiCl% (Guaranteed)	Impurities (%max)		
		Na+K	Fe ₂ O ₃	SO ₄ =
RM1301	99	0.35	0.002	0.05
RM1302	98	0.60	0.01	0.10

PACKING: In steel drums, lined with two sheets of plastic sacks, 20 kgs net each.

LITHIUM FLUORIDE

FORMULA: LiF

CODE #	LiF (%min)	Impurities (%max)						
		Na	K	Ca	Mg	Al	Fe	Pb
RM1401	99.95	3*10-3	5*10-4	5*10-3	5*10-4	2*10-3	2*10-3	2*10-4

PACKING: In plastic bottles, 250 gs net each, or negotiated by both parties.

SPODUMENE AND CONCENTRATE

FOMULA: LiAl (SiO3)2

CODE #	Varieties	Li2O	Impurities (% max)			
			K2O+Na2O	MnO	Fe2O3	P2O5
RM1501	Concentrate	5.5	2	0.5	3	0.5
RM1502	machine selected	6	2	0.5	3	0.5

CODE #	Varieties		Impurities (% max)				
			Li2O %	Fe2O3	K2O+Na2O	MnO	P2O5
RM1601	Low Iron	Lump hand	7	<0.20	1.50	0.15	0.5
RM1602	Spodumene	picked	6.5	<0.20	1.80	0.15	0.5
RM1603		Powder machine selected	6	0.20	2.00	0.15	0.5

SIZE: Hand picked spodumene, 200mm max, 95% greater than 5mm. Machine selected concentrate, 95% through 65 mesh.

PACKING: Powder 40 kgs or Lump 50 kgs net each in gunny sack lined with emulsion or plastic bag.