

## Certificate of analysis

### Lithium Carbonate

CAS No.	554-13-2	Code	BIOJLIC001
Batch No	2406028	Manufacture Date	Jun.30, 2024
Expiry Date	Jun.29, 2026	Quantity	1Kg

Testing Items	Specifications	Results
Appearance	White to almost white powder	Complies
Solubility	It effervesces upon the addition of an acid, yielding a colorless gas that, when passed into calcium hydroxide TS, immediately forms a white precipitate. USP40	Complies
Identification	When moistened with hydrochloric acid, it imparts an intense crimson color to a nonluminous flame	Complies
Aluminum and Iron	No turbidity or precipitate is observed	Complies
Li <sub>2</sub> CO <sub>3</sub>	90.0%~110.0%	99.58%
Na	≤0.1000%	0.0002%
Ca	≤0.1500%	0.0003%
Fe	≤0.0015%	0.0001%
Cl	≤0.0700%	<0.0050%
SO <sub>4</sub> <sup>2-</sup>	≤0.1000%	0.0030%
As	≤0.0001%	<0.0001%
Insol. in HCL	≤0.0200%	<0.0050%
Total Heavy Metal	≤0.0020%	<0.0020%
Loss on drying	≤1.0% (200°C, 4hr)	0.20%
Bulk Density	0.3 g/cm <sup>3</sup> ~0.7 g/cm <sup>3</sup>	0.69 g/cm <sup>3</sup>
Tapped Density	0.6 g/cm <sup>3</sup> ~1.0 g/cm <sup>3</sup>	0.99 g/cm <sup>3</sup>
Conclusion	This product conforms to USP standard	

**\*Storage condition: Store below 25°C, Protect from moisture and light.**