



EAST CHEMSOURCES LIMITED

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CERTIFICATE OF ANALYSIS

Product name	Lithium Carbonate	CAS NO.	554-13-2
Batch No.	20250101	Quantity	5000kg
Test date	20250101	Product Grade	Battery Grade
Inspection Basis	with In-House standard.		
Inspection Items	Inspection Standards (%)	Inspection Results (%)	Testing Methods
Appearance	White powder	White powder	Visual
<i>Li2 CO3</i>	≥99.50	99.62	Titration
<i>K</i>	≤0.005	0.001	ICP
<i>Na</i>	≤0.025	0.0092	ICP
<i>Ca</i>	≤0.008	0.0011	ICP
<i>Mg</i>	≤0.008	0.0004	ICP
<i>Fe</i>	≤0.001	0.0001	ICP
<i>Cl⁻</i>	≤0.005	0.0009	Turbidimetry
<i>SO₄²⁻</i>	≤0.08	0.056	ICP
<i>Cu</i>	≤0.0003	Not Detected	ICP
<i>Ni</i>	≤0.0010	Not Detected	ICP
<i>Al</i>	≤0.0010	Not Detected	ICP
<i>Mn</i>	≤0.0003	Not Detected	ICP
<i>Cr</i>	≤0.0003	Not Detected	ICP
<i>Zn</i>	≤0.0003	Not Detected	ICP
<i>Pb</i>	≤0.0003	Not Detected	ICP
<i>Si</i>	≤0.0030	0.0007	ICP
<i>B</i>	≤0.005	Not Detected	ICP
<i>F</i>	≤0.015	0.0056	Ion - Selective Electrode Method
<i>D10(μm)</i>	≥1.0	2.65	Particle Size Analyzer
<i>D50(μm)</i>	5.5±2.5	5.34	Particle Size Analyzer
<i>D90(μm)</i>	12±3	10.11	Particle Size Analyzer
Moisture	≤0.25	0.15	Gravimetric Method
Loss on Ignition	≤0.50	0.27	Gravimetric Method
Magnetic Substances (ppb)	≤300	77	ICP
Magnetic Particles (PCS/KG)	≤300	147.5	Cleanliness Automatic Analyzer
Conclusion	The above certificate of analysis is in compliance with In-House standard.		

Analyzer:Qingqing Zhang

Checker:Suzhuo Zhang

Chief Inspector: Suchou Wang

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伊特实业有限公司

Authorized Signature