OCHNOLOGY SOLUTION PVT. LTD
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Product Data Sheet

Lithium Carbonate (Li_2CO_3) – Technical/Industrial Grade

Description

Description	Technical/Industrial Grade Lithium Carbonate (Li_2CO_3) is a cost-effective white crystalline powder suited to ceramics, glass, aluminium smelting and lubricant-grease applications that do not require battery-level purity. It serves as a flux in ceramics and glass manufacturing, an electrolyte additive in aluminium smelting, and a thickener precursor in lithium-soap greases.
Applications	Ceramics and glass manufacturing – flux reducing melting point and improving thermal shock resistance Aluminium smelting electrolyte additive Lithium-soap grease thickener manufacturing Industrial CO_2 scrubbing applications
Grade	Technical/Industrial Grade, Min. 99.0% Li_2CO_3
CAS No.	554-13-2

Key Benefits

1. Cost-effective option for ceramics, glass and industrial applications not requiring battery-level purity
2. Consistent particle size distribution supporting predictable downstream processing
3. Widely accepted standard grade across ceramics, glass and industrial chemical manufacturing
4. Established, actively traded commodity with global pricing benchmarks

Chemical Analysis & Physical Data

Typical Specification

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Parameter	Test Method	Unit	Specification
Li2CO3 Content	Titration Method	wt%	Min. 99.0
Sodium (Na)	ICP/AAS Method	wt%	Max. 0.10
Calcium (Ca)	ICP/AAS Method	wt%	Max. 0.05
Magnesium (Mg)	ICP/AAS Method	wt%	Max. 0.02
Iron (Fe)	ICP/AAS Method	wt%	Max. 0.005
Sulphate (SO4)	Gravimetric Method	wt%	Max. 0.05
Chloride (Cl)	Titration Method	wt%	Max. 0.01
Particle Size (D50)	Laser Diffraction Method	microns	10 – 30
Appearance	Visual	–	White crystalline powder

Packaging

Packaging 25 kg Kraft Paper/HDPE Bags (with liner)
500 kg / 1,000 kg Jumbo Bags (FIBC)
Custom packaging available on request.

Storage & Handling

1. Store in a cool, dry, well-ventilated area away from moisture
2. Keep containers tightly sealed to prevent moisture ingress, carbonation drift and contamination
3. Segregate clearly from battery-grade material to avoid mix-up
4. Handle per occupational exposure requirements – see accompanying MSDS before storage/handling decisions are finalised

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Quality Assurance

1. Every batch is tested against the specification above before dispatch
2. A batch-specific Certificate of Analysis (COA) accompanies each shipment, reporting Li2CO3 content and key trace-impurity levels against this TDS
3. COA available on request prior to shipment for buyer pre-approval
4. Third-party inspection (SGS/Intertek) can be arranged on request for regulated-market shipments

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