



Lithium Carbonate Ultrafines - Battery Grade

CAS Number: 554-13-2

Lithium Carbonate Ultrafines - Battery Grade is a high-purity, battery-grade lithium salt presented as a fine white, free-flowing powder. It is specifically refined to meet the strict purity and particle control demands of lithium-ion battery production. The product features extremely low levels of sodium, iron, magnetic, and moisture impurities, with a tightly controlled particle size distribution for uniform dispersion and reactivity.

KEY FEATURES

- $\geq 99.5\%$ purity
- Extremely low magnetic and metallic impurities
- Narrow particle size distribution ($D_{50} \approx 8 \mu\text{m}$, $D_{90} < 20 \mu\text{m}$)
- Free-flowing, high surface area powder
- Consistent performance in battery and specialty chemical applications

USAGE GUIDELINES

Designed for use in lithium-ion battery cathode precursor manufacturing. Also suitable as an accelerator in high-alumina cement systems, and in applications such as ceramic glazes, specialty glass, and refractories. Material should be handled under dry, clean conditions. Avoid contamination with moisture or reactive species.

PRODUCT SPECIFICATIONS

Parameter	Typical Value
Li_2CO_3	$\geq 99.5\%$
Na	$\leq 0.025\%$
K	$\leq 0.001\%$
Mg	$\leq 0.008\%$
Fe	$\leq 0.001\%$
Zn	$\leq 0.0003\%$
SO_4^{2-}	$\leq 0.2\%$
Cl^-	$\leq 0.01\%$
Magnetic Impurities	$\leq 300 \text{ ppb}$
Moisture Content	$\leq 0.25\%$
D90 (Malvern)	$< 20 \mu\text{m}$
D50 (Malvern)	$\sim 8 \mu\text{m}$

Typical values. Not to be used as supply specifications.



LIMITED WARRANTY INFORMATION.
PLEASE READ CAREFULLY.

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Users are solely responsible for determining the suitability of this product for their specific application and for ensuring compliance with all relevant regulations, industry standards, and intellectual property rights. The product must not be used in violation of any law, statute, or third-party rights.

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This document is subject to revision without notice as new data becomes available.

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PACKAGING

Available in:

20 kg and 25 kg polyethylene-lined bags

500 kg bulk bags

Custom packaging available upon request.

STORAGE & SHELF LIFE

Store in original, sealed packaging in a dry area, away from direct sunlight and humidity.

Recommended storage temperature: below 35°C. Shelf life: **12 months** from date of manufacture under suitable conditions.

HEALTH & SAFETY

Refer to the product Safety Data Sheet (SDS) for guidance on handling, personal protective equipment (PPE), and disposal.