

Technical Data Sheet

Lithium Oxide Powder

Product ID: 030800PD001

Formular: Li₂O

Molecular weight: 29.88 g/mol

CAS No.: 12057-24-8

EINECS No.: 235-019-5

Appearance: White powder

Description: Our lithium oxide powder is typically greater than 99% purity, featuring high reactivity, hygroscopicity, and strong alkalinity.

Application: Lithium battery materials, glass and ceramics, nuclear industry, catalysts, etc.

Product

Image:



1. Physical Properties

Product ID	Formular	Particle size
030800PD001	Li ₂ O (99%)	/

2. Chemical compositions

Element Typical Value Purity	Metal impurities (wt%)					
	Li ₂ CO ₃	Na	Fe	Ca	Mg	Si
99%	≤ 2.5	≤ 0.01	≤ 0.002	≤ 0.01	≤ 0.005	≤ 0.004

Note: The purity values shown are calculated by subtracting the sum of selected measured elemental impurities from 100%. These values do not represent the result of a full elemental analysis.

3. Packaging

Bottled / Bag.

Double vacuum packed.

4. Period of Validity

It is recommended to use this product within 12 months. If it is overdue, the product quality status should be re-evaluated.

5. Handling and Storage

When using, wear cotton gloves and dust masks to avoid contact with the skin or inhalation of the powder.

Store in a cool, well-ventilated, and dry warehouse. Keep away from oxidizers, acids, and other similar substances. Do not store together.

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