HALBLEITER MATERIAL

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Technical Data Sheet

Lithium Niobium Oxide Powder

Product ID: **03410800PD001 / 03410800PD002**
Formula: $LiNbO_3$ **Molecular weight:** 147.85 g/mol
CAS No.: 12031-63-9 **EINECS No.:** 234-755-4
Color: White
Description: Lithium niobate powder offers excellent electro-optic, piezoelectric, and nonlinear optical properties, along with good chemical stability.
Application: Used in optical devices, photonic components, acoustic wave devices, piezoelectric sensors, and advanced electronic materials.
Product Image:



1. Sizes

Product ID	Formula	Size
03410800PD001	$LiNbO_3$ (99.99%)	-100 Mesh
03410800PD002	$LiNbO_3$ (99.99%)	-200 Mesh
03410800PDDZ	$LiNbO_3$ (99.99%)	Customized

2. Chemical compositions

	Chemical Composition (ppm)					
Element / Typical Value / Purity	Mg	Al	K	Ca	Fe	Si
99.99%	≤ 10	≤ 10	≤ 10	≤ 10	≤ 10	≤ 20

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

Bottle/Bag.
Double-layer vacuum packaging.
Custom packaging is available.

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

Handle in a well-ventilated environment with appropriate gloves, protective clothing, and respiratory protection to avoid dust inhalation.

Store in a tightly sealed container in a cool, dry place, protected from moisture and contamination.

Contact Us

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