HALBLEITER MATERIAL

Email: info@vimaterial.de

Tel: 0049 1626484175

Technical Data Sheet

Lithium Niobium Oxide Granules

Product ID: **03410800GN001 / 03410800GN002**

Formula: $LiNbO_3$ **Molecular weight:** 147.85 g/mol

CAS No.: 12031-63-9 **EINECS No.:** 234-755-4

Color: Black or Transparent crystal

Description: $LiNbO_3$ granules are available in both sintered and crystalline forms, offering flexible material options for different deposition processes and optical or electronic applications.

Application: Used in thin-film deposition, optical coatings, photonic devices, piezoelectric components, and the preparation of functional lithium niobate films.

Product Image:



1. Sizes

Product ID	Formula	Size	Type	Color
03410800GN001	$LiNbO_3$ (99.9%)	3 mm - 15 mm	Sintered	Black
03410800GN002	$LiNbO_3$ (99.99%)	3 mm - 15 mm	Crystalline	Transparent
03410800GN3NDZ	$LiNbO_3$ (99.9%)	Customized	Sintered	Black
03410800GN4NDZ	$LiNbO_3$ (99.99%)	Customized	Crystalline	Transparent

2. Chemical compositions

	Chemical Composition (ppm)					
Element / Typical Value / Purity	Mg	Al	Si	K	Ca	Fe
99.9%	≤ 50	≤ 50	≤ 220	≤ 80	≤ 50	≤ 200
99.99%	≤ 10	≤ 10	≤ 20	≤ 10	≤ 10	≤ 10

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 carefully with clean gloves and appropriate protective equipment to prevent contamination, particle breakage, and dust generation.

Store in a tightly sealed container in a cool, dry environment to protect the granules from moisture and contamination.

Contact Us

Website:www.vimaterial.de
Email: info@vimaterial.de
Tel: 0049 1626484175
Add: Begener Straße 14., 30625 Hannover, Niedersachsen, Germany.