HALBLEITER MATERIAL

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Technical Data Sheet

Titanium(V) Oxide Granules

Product ID: **220801GN001 - 220801GN003**

Formular: Ti_3O_5 **Molecular weight:** 223.61 g/mol

CAS No.: 12065-65-5 **EINECS No.:** 601-730-8

Color: Dark violet

Description: Our Ti3O5 granules are available in both sintered and crystalline forms, and can be customized in different sizes to meet specific needs. They exhibit excellent electrical and optical properties.

Application: Photocatalysis, optical materials, energy storage, etc.

Product Image:

1. Sizes

Product ID	Formular	Size	Form
220801GN001	Ti_3O_5 (99.9%)	1 - 3 mm	Sintered
220801GN002	Ti_3O_5 (99.99%)	1 - 3 mm	Crystalline
220801GN003	Ti_3O_5 (99.99%)	3 - 6 mm	Crystalline
220801GN3NDZ	Ti_3O_5 (99.9%)	Customized	Sintered / Crystalline
220801GN4NDZ	Ti_3O_5 (99.99%)	Customized	Sintered / Crystalline

2. Chemical compositions

	Metal impurities (ppm)						
Element / Typical Value / Purity	Al	Fe	Co	Cu	Cr	Mn	Ni
99.9%	≤ 300	≤ 250	≤ 50	≤ 50	≤ 100	≤ 50	≤ 50
99.99%	≤ 25	≤ 25	≤ 10	≤ 5	≤ 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

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 a dust mask to prevent dust inhalation.

Store in a sealed container in a cool, dry place, away from direct sunlight and incompatible substances.

Contact Us

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