

## Technical Data Sheet

# Niobium Pentoxide Granules

**Product ID:** 410800GN001 - 410800GN002

**Formular:** Nb<sub>2</sub>O<sub>5</sub>

**Molecular weight:** 265.81 g/mol

**CAS No.:** 1313-96-8

**EINECS No.:** 215-213-6

**Color:** Black / White

**Description:** Our niobium pentoxide granules have a typical purity of ≥99.99% and are available in white and black. They can also be customized in various sizes and purities as needed. They feature excellent chemical stability, high-temperature resistance, and good conductivity.

**Application:** Electronics industry, optical coatings, catalysts, energy materials, etc.

**Product**

**Image:**



### 1. Sizes

| Product ID  | Formular                                | Size        | Color         |
|-------------|-----------------------------------------|-------------|---------------|
| 410800GN001 | Nb <sub>2</sub> O <sub>5</sub> (99.99%) | 1 mm - 3 mm | Black / White |
| 410800GN002 | Nb <sub>2</sub> O <sub>5</sub> (99.99%) | 3 mm - 6 mm | Black / White |
| 410800GNDZ  | Nb <sub>2</sub> O <sub>5</sub> (99.99%) | Customized  | Customized    |

### 2. Chemical compositions

| Element<br>Typical Value<br>Purity | Metal impurities (ppm) |      |     |     |      |     |      |
|------------------------------------|------------------------|------|-----|-----|------|-----|------|
|                                    | Ta                     | Si   | Cr  | Al  | Fe   | Ti  | Mn   |
| 99.99%                             | ≤ 25                   | ≤ 25 | ≤ 5 | ≤ 5 | ≤ 10 | ≤ 5 | ≤ 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 vacuum packed.

Customized packaging available upon request.

### **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 protective equipment (such as gloves and safety goggles) to avoid inhalation of dust or skin contact.

Stored in a dry, well-ventilated environment, avoiding contact with moisture or corrosive substances.

### **Contact Us**

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