

## Technical Data Sheet

# Gallium oxide Sputtering Target

**Product ID:** 310800ST001- 310800ST005

**Formular:** Ga<sub>2</sub>O<sub>3</sub>

**Molecular weight:** 187.44 g/mol

**CAS No.:** 12024-21-4

**EINECS No.:** 234-691-7

**Color:** White

**Description:** Our high-purity gallium oxide typically has a purity of ≥99.99% and can be customized in various sizes, featuring high purity, excellent thermal stability, and superior thin-film deposition performance.

**Application:** Power electronic devices, ultraviolet optoelectronic devices, and optical thin films.

**Product  
Image:**



### 1. Sizes

Product ID	Formular	Size
310800ST001	Ga <sub>2</sub> O <sub>3</sub> (99.99%)	Ø 25.4 mm x 3.175 mm
310800ST002	Ga <sub>2</sub> O <sub>3</sub> (99.99%)	Ø 50.8 mm x 6.35 mm
310800ST003	Ga <sub>2</sub> O <sub>3</sub> (99.99%)	Ø 76.2 mm x 6.35 mm
310800ST004	Ga <sub>2</sub> O <sub>3</sub> (99.99%)	Ø 101.6 mm x 3.175 mm
310800ST005	Ga <sub>2</sub> O <sub>3</sub> (99.99%)	Ø 152.4 mm x 6.35 mm
310800STDZ	Ga <sub>2</sub> O <sub>3</sub> (99.99%)	Customized

### 2. Chemical compositions

Element Typical Value Purity	Chemical Composition (ppm)					
	Pb	Zn	Mo	Cr	Ni	Na
99.99%	≤ 20	≤ 25	≤ 15	≤ 20	≤ 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**

Carton/wooden box outer bag.  
Double vacuum inner bag.

### **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, ensure proper ventilation, avoid moisture and strong mechanical impact;

Stored in a cool, dry and well-ventilated area, and follow proper procedures for disposal and cleaning to maintain material integrity and safety.

### **Contact Us**

Website: [www.vimaterial.de](http://www.vimaterial.de)

Email: [info@vimaterial.de](mailto:info@vimaterial.de)

Tel: 0049 1626484175

Add.: Begener Straße 14., 30625 Hannover, Niedersachsen, Germany.