

## Technical Data Sheet

### Germanium Metal Granules

**Product ID:** 3200GN001 /3200GN002

**Formular:** Ge

**Molecular weight:** 72.64 g/mol

**CAS No.:** 7440-56-4

**EINECS No.:** 231-164-3

**Color:** Metallic-gray

**Description:** Our germanium granules have high purity(99.999%+), excellent semiconductor properties, high infrared optical transmittance, good thermal conductivity, and outstanding chemical stability.

**Application:** Semiconductors, infrared optics, solar cells, alloy additives, and thermoelectric materials, etc.

**Product**

**Image:**



#### 1. Sizes

Product ID	Formular	Size
3200GN001	Ge (99.999%)	1-10 mm
3200GN002	Ge (99.9999%)	1-50 mm
3200GNDZ	Ge	Customized

#### 2. Chemical compositions

Element Typical Value Purity	Metal impurities (ppm)							
	Ni	Al	Ca	Fe	Si	As	Mg	Co
99.999%	≤ 1.0	≤0.5	≤1.0	≤ 2.0	≤ 1.0	≤ 2.0	≤2.0	≤0.5
99.9999%	≤ 0.05	≤0.03	≤0.1	≤ 0.2	≤ 0.2	≤ 0.2	≤0.1	≤0.03

*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. Wear protective gloves to avoid contamination of high-purity materials.

Store in a dry, sealed environment, avoiding contact with strong oxidizers and acidic substances, and avoiding high temperatures.

### **Contact Us**

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