HALBLEITER MATERIAL

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Technical Data Sheet

Iron Oxide Sputtering Target

Product ID: **260800ST001 - 260800ST006**

Formular: Fe_2O_3 **Molecular weight:** 159.69 g/mol

CAS No.: 1309-37-1 **EINECS No.:** 215-168-2

Color: Red-brown

Description: Our nickel oxide sputtering targets typically have a purity of ≥99.9%, with custom sizes available upon request. They offer excellent electrical properties, good chemical stability, and high-temperature resistance.

Application: Transparent conductive films, thin-film resistors and resistor films, bulk sensors and chemical sensors, etc.

Product Image:

1. Sizes

Product ID	Formular	Size
260800ST001	Fe_2O_3 (99.9%)	Ø 25.4 mm x 3.175 mm
260800ST002	Fe_2O_3 (99.9%)	Ø 50.8 mm x 3.175 mm
260800ST003	Fe_2O_3 (99.9%)	Ø 50.8 mm x 6.35 mm
260800ST004	Fe_2O_3 (99.9%)	Ø 76.2 mm x 3.175 mm
260800ST005	Fe_2O_3 (99.9%)	Ø 101.6 mm x 1.58 mm
260800ST006	Fe_2O_3 (99.9%)	Ø 203.2 mm x 2 mm
260800STDZ	Fe_2O_3 (99.9%)	Customized

2. Chemical compositions

	Metal impurities (ppm)					
Element / Typical Value / Purity	Si	Cu	Ca	Mg	Ni	Al
99.9%	≤ 200	≤ 150	≤ 60	≤ 80	≤ 150	≤ 350

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 inhalation or skin/eye contact.

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

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