

Technical Data Sheet

Tellurium Oxide Sputtering Target

Product ID: 520800ST001 - 520800ST003

Formula: TeO₂

Molecular weight: 159.6 g/mol

CAS No.: 7446-07-3

EINECS No.: 231-193-1

Color: White

Description: Tellurium oxide sputtering targets offer high purity, excellent compositional uniformity, and stable deposition performance, making them suitable for high-quality optical, acousto-optic, and optoelectronic thin-film applications.

Application: Optical coatings, acousto-optic devices, optoelectronic components, photonic devices, and specialty functional thin films.

**Product
Image:**



1. Sizes

Product ID	Formula	Size
520800ST001	TeO ₂ (99.99%)	Ø 50.8 mm x 6.35 mm
520800ST002	TeO ₂ (99.99%)	Ø 76.2 mm x 3.175 mm
520800ST003	TeO ₂ (99.99%)	Ø 101.6 mm x 3.175 mm
520800STDZ	TeO ₂ (99.99%)	Customized

2. Chemical compositions

Element Typical Value Purity	Metal impurities (ppm)					
	Mg	Al	Pb	Ca	Se	As
99.99%	≤ 15	≤ 15	≤ 10	≤ 15	≤ 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

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

Handle carefully with clean gloves and suitable protective equipment to prevent contamination, breakage, and exposure to dust.

Store in a clean, dry, well-sealed environment, protected from moisture, dust, and chemical contamination.

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