

Certificate of Analysis (CoA)

Jan. 17, 2026

Product Name: Tantalum Wire**Chemical Formula:** Ta**Purity:** 99.99% (4N)**Dimensions:** Ø1.0 mm × Length 10,000 mm**Form:** Wire**Quantity:** 1 EA**Lot Number:** CSXBY-260116035**Manufactured by:** MetalsTek Engineering

Physical Description

- Form: Metallic wire
- Appearance: Silver-gray metallic luster
- Crystal Structure: Body-centered cubic (bcc)
- Theoretical Density: 16.65 g/cm³
- Fabrication: Electron-beam melted, wire drawn under controlled conditions

Theoretical Composition (Mass %)

Element	Symbol	Mass %
Tantalum	Ta	100%

Balance: Tantalum

Chemical Composition (by GDMS / ICP-OES)

Element	Symbol	Max. Content (ppm)
Tantalum	Ta	Balance (>99.99%)
Oxygen	O	30–50
Carbon	C	15–25

Certificate of Analysis (CoA)

Jan. 17, 2026

Element	Symbol	Max. Content (ppm)
Nitrogen	N	10–15
Iron	Fe	<10
Nickel	Ni	<10
Tungsten	W	<10
Molybdenum	Mo	<10
Silicon	Si	<5
Aluminum	Al	<5
Copper	Cu	<5
Other elements (each)	–	<5
Total Impurities	–	<100 ppm

Handling & Storage

- Store in clean, dry, vacuum-sealed packaging.
- Avoid contact with moisture and contaminants.
- Handle with clean gloves to maintain surface cleanliness.

Declaration

This certificate confirms that the material described above complies with the stated specifications and has passed quality inspection prior to shipment.

Authorized Signature:

Inspection Certificate by: Nancy LiuApprover by: Chen Qiang