

Certificate of Analysis (CoA)

July 14, 2025

Product Name: Indium Sputtering Target**Chemical Formula:** In**Purity:** ≥99.99% (4N)**Dimensions:** Ø50.8 mm × 6.35 mm (2" × 1/4")**Backing Plate:** Indium bonded to 3 mm thick Titanium plate with keeper**Lot Number:** XKCS-25-SC-3958

Physical Description

- Form: Metallic sputtering target
- Appearance: Silvery-white, soft metallic surface
- Crystal Structure: Tetragonal
- Density: ~7.31 g/cm³
- Fabrication: Bonded using high-purity indium bonding layer to Ti backing plate
- Features: Mechanical keeper included

Theoretical Composition

- **Element:** Indium (In)
- **Atomic Weight:** 114.82 g/mol
- **Mass Fraction:** 100% In (elemental metal)

Chemical Composition (by ICP-OES)

Element	Symbol	Max. Content (ppm)
Indium	In	Balance (>99.99%)
Lead	Pb	<10
Tin	Sn	<10
Zinc	Zn	<5
Cadmium	Cd	<5
Iron	Fe	<5

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Element	Symbol	Max. Content (ppm)
Other trace elements (each) –		<5
Total Impurities –		<100 ppm

Handling & Storage

- Indium is soft and malleable; avoid scratching or denting the surface.
 - Store in vacuum-sealed or inert atmosphere packaging.
 - Avoid high temperatures that may cause deformation of pure indium or bonding layer.
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Declaration

We hereby certify that the above product has been manufactured and tested in accordance with our quality control procedures and meets the specifications stated herein.

Inspection Certificate by: Nancy LiuApprover by: Chen Qiang