

Certificate of Analysis (CoA)

Aug. 27, 2025

Product Name: Platinum Sputtering Target**Chemical Formula:** Pt**Purity:** 99.99% (4N)**Dimensions:** Ø64.00 mm × 0.50 mm (±0.05 mm)**Backing Plate:** None**Batch Number:** KYWX250809CU**Manufactured by:** Thin-Film Materials

Physical Description

- Form: Metallic sputtering target / disc
- Appearance: Silvery-white metallic surface, high density
- Crystal Structure: Face-centered cubic (fcc)
- Theoretical Density: ~21.45 g/cm³
- Fabrication: Vacuum melted, hot forged, precision machined

Theoretical Composition

- **Element:** Platinum (Pt)
- **Atomic Weight:** 195.08 g/mol
- **Mass Fraction:** 100% Pt (elemental metal)

Chemical Composition (by ICP-MS / GDMS)

Element	Symbol	Max. Content (ppm)
Platinum	Pt	Balance (>99.99%)
Palladium	Pd	<10
Rhodium	Rh	<5
Gold	Au	<5
Silver	Ag	<5
Iron	Fe	<5
Other metals (each) –		<5

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Element	Symbol	Max. Content (ppm)
Total Impurities	—	<100 ppm

Handling & Storage

- Platinum is stable in air, resistant to oxidation and corrosion.
 - Store in clean, sealed packaging to prevent surface contamination.
 - Handle with gloves to avoid oil or dust residues.
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Declaration

We certify that the above product has been manufactured and tested in accordance with our internal quality management system and conforms to the specifications stated herein.

Authorized Signature:Inspection Certificate by: Nancy LiuApprover by: Chen Qiang