

Certificate of Analysis (CoA)

July 14, 2025

Product Name: Strontium Sputtering Target
Chemical Formula: Sr
Purity: ≥99.5% (2N5)
Dimensions: Ø50.8 mm × 6.35 mm (2" × 1/4")
Backing Plate: None
Lot Number: JMCS-25-SC-3960

Physical Description

- Form: Metallic sputtering target
 - Appearance: Silvery-white, soft metal
 - Fabrication: Cold-pressed and vacuum sintered
 - Crystal Structure: Face-centered cubic (fcc)
 - Density: ~2.64 g/cm³
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Theoretical Composition

- **Element:** Strontium (Sr)
 - **Atomic Weight:** 87.62 g/mol
 - **Mass Fraction:** 100% Sr (elemental metal)
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Chemical Composition (by ICP-OES)

Element	Symbol	Max. Content (ppm)
Strontium	Sr	Balance (>99.5%)
Calcium	Ca	<40
Iron	Fe	<30
Silicon	Si	<20
Magnesium	Mg	<30
Sodium	Na	<20
Other metals (each)	—	<20

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Element	Symbol	Max. Content (ppm)
Total Impurities	—	<500 ppm

Handling & Storage

- Strontium is highly reactive with oxygen and moisture.
 - Store in sealed packaging under inert gas or mineral oil.
 - Handle in glove box or dry atmosphere for best results.
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Declaration

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

Inspection Certificate by: Nancy LiuApprover by: Chen Qiang