

Technical Data Sheet

Aluminum Metal Sputtering Target

Product ID: 1300ST001 - 1300ST028

Formular: Al

Molecular weight: 26.98 g/mol

CAS No.: 7429-90-5

EINECS No.: 231-072-3

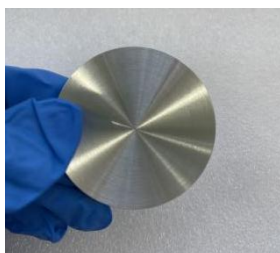
Color: Silver

Description: Our aluminum target has a typical purity of 4N, 4N5, 5N, 5N5 or 6N and can be customized in different sizes as needed. It features high electrical conductivity, excellent corrosion resistance, and good thermal stability.

Application: Semiconductor industry, optical coatings, thin-film batteries, electronic components, and decorative coatings.

Product

Image:



1. Sizes

Product ID	Formular	Particle Size
1300ST001	Al (99.99%)	Ø 25.4 mm x 3.175 mm
1300ST011	Al (99.995%)	Ø 50.8 mm x 6.35 mm
1300ST015	Al (99.999%)	Ø 76.2 mm x 3.175 mm
1300ST021	Al (99.9995%)	Ø 101.6 mm x 3.175 mm
1300ST028	Al (99.9999%)	Ø 152.4 mm x 6.35 mm
1300ST4NDZ	Al (99.99%)	Customized
1300ST4N5DZ	Al (99.995%)	Customized
1300ST5NDZ	Al (99.999%)	Customized
1300ST5N5DZ	Al (99.9995%)	Customized
1300ST6NDZ	Al (99.9999%)	Customized

2. Chemical compositions

Element Typical Value Purity	Metal impurities (ppm)				
	Si	Ti	Fe	Cu	Zn
99.99%	≤ 30	≤ 20	≤ 30	≤ 50	≤ 20
99.995%	≤ 15	≤ 8	≤ 15	≤ 35	≤ 8
99.999%	≤ 2.5	≤ 1.0	≤ 2.5	≤ 4.0	≤ 1.0
99.9995%	≤ 2.5	≤ 1.0	≤ 2.5	≤ 2.8	≤ 0.9
99.9999%	≤ 0.2	≤ 0.1	≤ 0.1	≤ 0.2	≤ 0.05

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.

8. Handling and Storage

When using, wear protective gloves to avoid direct contact, oxidation, or contamination.

Stored in a dry, sealed container, avoiding moisture and contact with acidic or oxidizing substances.

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