

Technical Data Sheet

Aluminum Oxide Substrates

Product ID:	130800CS001 - 130800CS006		
Formular:	Al ₂ O ₃	Molecular weight:	101.96 g/mol
CAS No.:	1344-28-1	EINECS No.:	215-691-6
Color:	Transparent crystal		
Description:	Our Aluminum Oxide substrates have a purity of 99.995% and can be customized in size according to requirements, offering excellent electrical insulation and high optical transparency.		
Application:	Electronics, optoelectronics, precision instruments, and high-temperature material applications.		

**Product
Image:**



1. Sizes

Product ID	Formula	Size
130800CS001	Al ₂ O ₃ (99.995%)	∅ 25 mm x 0.65 mm
130800CS002	Al ₂ O ₃ (99.995%)	∅ 50.8 mm x 0.65 mm
130800CS003	Al ₂ O ₃ (99.995%)	∅ 101.6 mm x 0.65 mm
130800CS004	Al ₂ O ₃ (99.995%)	50.8mm × 50.8mm × 0.5mm
130800CS005	Al ₂ O ₃ (99.995%)	50.8mm × 50.8mm × 0.65mm
130800CS006	Al ₂ O ₃ (99.995%)	70mm × 70mm × 0.65mm
130800CSDZ	Al ₂ O ₃ (99.995%)	Customized

2. Chemical compositions

		Metal impurities (ppm)					
Element	Typical Value	Si	Fe	Cu	Mo	Na	Ca
Purity	99.995%	≤ 10	≤ 5	≤ 5	≤ 10	≤ 2	≤ 2

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

Packaging with anti-static PP foam boxes.
Outer layer typically wrapped in foam-lined cardboard boxes.
Customized packaging is available.

4. Period of Validity

It is recommended to use this product within 24 months. If it is overdue, the product quality status should be re-evaluated.

5. Handling and Storage

When using, wear a dust mask, operate in a clean, dry environment to avoid scratches and contamination.

Store in a dry, well-ventilated area, preferably in protective packaging to prevent moisture and physical damage.

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