

Technical Data Sheet

Silicon Dioxide Ring Target

Product ID:	140801RT001 / 140801RT002		
Formula:	SiO ₂	Molecular weight:	60.08 g/mol
CAS No.:	14808-60-7	EINECS No.:	215-684-8
Color:	Colorless to transparent		
Description:	It offer high purity, excellent chemical stability, low thermal expansion, and uniform density, ensuring stable and reliable performance in optical coatings, semiconductor and thin-film deposition applications.		
Application:	Optical coatings, semiconductor thin-film deposition, display devices, electronic materials, etc.		

**Product
Image:**



1. Sizes

Product ID	Formula	Size
140801RT001	SiO ₂ (99.99%)	OD355.6mm x ID203.2mm x 6.35mm
140801RT002	SiO ₂ (99.995%)	OD304.8mm x ID22.86mm x 9.525mm
140801RT4NDZ	SiO ₂ (99.99%)	Customized
140801RT4N5DZ	SiO ₂ (99.995%)	Customized

2. Chemical compositions

Element Typical Value Purity	Metal impurities (ppm)						
	Al	Ca	Fe	Li	Na	Mn	Ti
99.99%	≤ 45	≤ 5	≤ 5	≤ 10	≤ 15	≤ 5	≤ 10
99.995%	≤ 25	≤ 3	≤ 1	≤ 5	≤ 8	≤ 1	≤ 5

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.
Custom packaging is available.

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.

5. Handling and Storage

Handle carefully with clean gloves and avoid contamination, impact, or excessive mechanical stress during installation and use.

Store in a clean, dry, and sealed environment away from moisture, dust, and corrosive substances.

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