



ACEP-99xx DATA SHEET

HIGH PURITY CeO₂ POLISHING POWDER

PART NUMBER	ACEP-99xx
AVAILABLE MEDIAN PARTICLE SIZES	1.0µm, 1.2µm, 1.4µm, 1.6µm, 1.8µm, 2.0µm & 2.2µm
PURITY	99.95%

CHEMICAL COMPOSITION			
Name	Value (%)	Name	Value (%)
TREO%	99.43	La ₂ O ₃ /REO	<0.005
CeO ₂ /REO	>99.95	PrO ₆ O ₁₁ /REO	<0.005
Fe ₂ O ₃	<0.01	Nd ₂ O ₃ /REO	<0.005
SiO ₂	<0.01	Sm ₂ O ₃ /REO	<0.005
CaO	<0.01	Eu ₂ O ₃ /REO	<0.005
Cl	0.03	Gd ₂ O ₃ /REO	<0.005
MgO	<0.005	Tb ₄ O ₇ /REO	<0.005
PbO	<0.005	Dy ₂ O ₃ /REO	<0.005
Ho ₂ O ₃ /REO	<0.005	Y ₂ O ₃ /REO	<0.005
Er ₂ O ₃ /REO	<0.005	Yb ₂ O ₃ /REO	<0.005
Tm ₂ O ₃ /REO	<0.005	Lu ₂ O ₃ /REO	<0.005

BENEFITS AND FEATURES

- High purity
- Consistent polishing
- Easy Clean-up
- Excellent suspension qualities
- Low Surface Roughness
- Less defects and scratches

AOVtech's ACEP-99 series offers high purity CeO₂ polishing powders designed for a variety of optical and laser applications. These superior compounds result in high quality surface finishing. With numerous particle sizes available, ACEP-99xx series products have excellent suspension, low surface roughness and controlled particle distribution consistently leading to a uniform surface finish.



Standard packaging is offered in 0.5, 1, 2, and 20 kilograms.

Customizable sizes and packaging available upon request.

*1 kilogram = 2.2046 lbs 1 Micrometer (µm, Micron) = 3.937e-5