



CERALOX[®] CRYSTAL GROWTH APPLICATIONS

Typical CHEMICAL ANALYSIS

Product	Typical Al ₂ O ₃ Purity	Trace Impurities, ppm				Crystal Structure	Powder Form
		Na	Si	Fe	Ca		
SPA-59	99.999%	<4	6	1	<1	Gamma	Unmilled
SPA-Gamma	99.998%	10	7	3	1	Gamma	Unmilled
SPA-Alpha	99.997%	10	10	4	2	Alpha	Unmilled
SPA-Alpha-milled	99.997%	10	10	4	2	Alpha	Milled
SPA-AC	99.997%	5	6	2	<1	Alpha	Granular
SPA-AC/HT	99.997%	5	13	10	2	Alpha	Granular
SPA-GSD12 Doped with 11-13ppm Ti	99.997%	5	6	3	1	Gamma	Spherical

Typical PHYSICAL PROPERTIES

Product	Surface Area, m ² /g	Loose Bulk Density, g/l	Median Particle Diameter, D-50, μm
SPA-59	50-65	500	150
SPA-Gamma	50-65	500	150
SPA-Alpha	<6	510	150
SPA-Alpha-milled	<8	850	<10
SPA-AC	<1	1700	Granular Size, mm: 1-2
SPA-AC/HT	<0.1	2000	Granular Size, mm: 1-2
SPA-GSD12	55-65	500	35

METHODOLOGY

Chemical Analysis: Inductively Coupled Argon Plasma
Particle Size Distribution: Laser Diffraction
Surface Area: B.E.T.