



CERALOX[®]

PHOSPHOR/LUMINESCENT APPLICATIONS

Typical CHEMICAL ANALYSIS

Product	Al ₂ O ₃ Purity	Trace Impurities, ppm					Crystal Structure	Powder Form
		Na	Si	Fe	Ca	Zr		
SPA-Gamma	99.998%	10	7	3	1	2	Gamma	Unmilled
SPA-Gamma AF	99.997%	10	7	4	1	2	Gamma	Milled
SPA-Alpha AF	99.997%	10	10	5	2	2	Alpha	Milled
AHPA-0.7/5AF*	99.997%	10	30	12	5	<1	Alpha	Milled
AHPA-40AF*	99.995%	5	15	10	1	<1	Delta/Theta	Milled
AHPA-80AF*	99.995%	5	15	10	1	<1	Delta/Theta	Milled

Typical PHYSICAL PROPERTIES

Product	Surface Area, m ² /g	Loose Bulk Density, g/l	Median Particle Diameter, D-50, μm
SPA-Gamma	50-65	480	150
SPA-Gamma AF	50-65	200	2.5
SPA-Alpha AF	6	350	1.3
AHPA-0.7/5AF*	5	600	0.6
AHPA-40AF*	40	200	3.8
AHPA-80AF*	80	200	4.0

*Preliminary product data

METHODOLOGY

Chemical Analysis:	Inductively Coupled Argon Plasma
Particle Size Distribution:	Laser Diffraction
Surface Area:	B.E.T.
Density:	Hosokawa Powder Analyzer®