

CERALOX ALUMINA

PHOSPHOR / LUMINESCENT APPLICATIONS



SASOL

Typical chemical properties

Product	Al ₂ O ₃ purity	Primary impurities (ppm)					Crystal structure	Powder form
		Na	Si	Fe	Ca	Mg		
UHPA – Alpha	99,999 %	<1	2	1	<1	<1	α - Alpha	Spherical
UHPA – R5AFS – LFE	99,998 %	5	4	3	<1	<1	α - Alpha	Milled
UHPA – TMXX3	99,998 %	1	5	2	1	<1	α - Alpha	Milled
UHPA – Gamma – AF	99,999 %	<1	2	1	<1	<1	γ - Gamma	Milled

Typical physical properties

Product	Surface area (m ² / g)	d50 particle size (μm)	d90 particle size (μm)
UHPA – Alpha	5	35,0	90
UHPA – R5AFS – LFE	6	0,6	1,6
UHPA – TMXX3	4	4,0	10
UHPA – Gamma – AF	135	2,5	5,2

Methodology

- Chemical analysis: Leeman Labs Inductively Coupled Argon Plasma
- Particle size distribution: Horiba® Laser Diffraction
- Surface area: B.E.T. Micromeritics® Gemini

CONTACT INFORMATION

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