

Certificate of Analysis

Tests	Method	Results	Specification
Appearance	Visual inspection	White Powder	White Powder
Crystal phase	XRD	α , no detectable trace of transient alumina	α , no detectable trace of transient alumina
Typical chemical composition*			
Na	MW-ICPMS, <1	8 ppm	< 15 ppm
Mg	MW-ICPMS, <0.5	<3 ppm	< 3 ppm
Si	MW-ICPMS, <1	11 ppm	< 15 ppm
K	MW-ICPMS, <2	<2 ppm	< 3 ppm
Ca	MW-ICPMS, <2	<3 ppm	< 5 ppm
Fe	MW-ICPMS, <0.5	11 ppm	< 15 ppm
Typical Physical properties			
Humidity	2 hrs at 120 °C	0.41%	<1%
PSD (D50)	Laser diffraction with sonication	<0.4 μm	0.3 – 5 μm
Specific surface area	N2 Adsorption	< 5 m ² /gr	< 5 m ² /gr
Tape density	ASTM B527-06	1.39 gr/ml	> 0.8 g/cm ³

* Maximum impurities are <50 ppm

** The number after analytical method shows detection limit in ppm