

# 99.995% Alumina

High Purity Alumina manufactured by the improved Bayer process is widely used in high-end industries and cutting-edge science and technologies with its good chemical stability, high melting point, high mechanical strength, high hardness, good thermal conductivity and high insulation, such as new energy battery materials, sapphire, ruby, technical ceramics, ceramic substrate, spraying materials, photoelectric glass, semiconductor devices, insulators, power equipment manufacturing.

## Specifications:

Item			4N5G-40B	4N5G-D2	4N5A-40B	4N5A-D5
Phase			γ	γ	α	α
Average Particle Size (by Bettersize Laser9300SE)		D50, μm	35-45	1-3	35-45	3-5
Loose Density		g/cm <sup>3</sup>	0.55-0.65	0.30-0.40	0.70-0.80	0.50-0.60
Surface Area		m <sup>2</sup> /g	45-55	60-70	≤5	≤5
Purity (Al <sub>2</sub> O <sub>3</sub> ) ≥		%	99.995	99.995	99.995	99.995
Impurity≤ (by ICP-OES)	Na	ppm	30	30	30	30
	Ca	ppm	1	1	1	1
	Mg	ppm	1	1	1	1
	Fe	ppm	1	1	1	1
	Si	ppm	17	17	17	17
	Ti	ppm	1	1	1	1
	Cu	ppm	1	1	1	1
25kg/drum						