



## Aluminum Oxide

**Aluminum Oxide** is white powder with purity of 99.995%, 99.999% (4N5 5N), tasteless, insoluble in water, but soluble in



strong base and acid, which is used as analytical reagent, absorbing material, catalyst, abradant, polishing agent and refractory material. Also used for producing sapphire single crystal and laser crystal YAG. Especially, as Al<sub>2</sub>O<sub>3</sub> is with high purity and hardness, it is widely used as ceramic and mill ball.

Formula	Al <sub>2</sub> O <sub>3</sub>
Appearance	White
Molecular weight	101.96
Density	3.5 g/cm <sup>3</sup>
Melting Point	2054 °C
CAS No.	1344-28-1

No.	Item	Standard Specification			
1	Powder	Al <sub>2</sub> O <sub>3</sub> ≥		99.995%	99.999%
				PPM Max	PPM Max
		Impurity	Fe	3.0	1.0
			Si/Na	10.0	2.0
			Ti/Cu/Mg	1.0	1.0
	Cr/Ni/Li/Ca	1.0	0.5		
2	Ball	Phase	α		
		Density	≥ 3.8g/cm <sup>3</sup>		
		Size	0.5-12mm		
		Abrasive resistance	≤ 0.02%		

Inorganic Chemical & Chem-Metal