

## Technical Data Sheet (TDS) Calcined Alumina

Parameters	Specification
Physical appearance	White powder
Purity as Al <sub>2</sub> O <sub>3</sub>	99.29 % min
Na <sub>2</sub> O	0.120-0.300 %
Ga <sub>2</sub> O <sub>3</sub>	0.012-0.014 %
Fe <sub>2</sub> O <sub>3</sub>	0.010- 0.025 %
SiO <sub>2</sub>	0.003-0.010 %
P <sub>2</sub> O <sub>5</sub>	0.0010 %
CaO	0.003-0.010 %
TiO <sub>2</sub>	0.003-0.005 %
LOI	< 0.350
Particle Size	
+150 µm	2.0 – 10.0%
+75 µm	70.0-80.0%
+45 µm	90.0-95.0%
- 20 µm [Super fine]	1.5-2.6%
Flow Ability [4.0 ml funnel]	Seconds
BET surface area	[70-72 m <sup>2</sup> g-l]
Attrition index	15.0-25.0%
Alpha Alumina	2.0-3.0%

Trace Elements			
%		%	
K <sub>2</sub> O	< 0.0010	CuO	< 0.0010
Cr <sub>2</sub> O <sub>3</sub>	< 0.0010	ZnO	< 0.0010
MnO	< 0.0010	V <sub>2</sub> O <sub>5</sub>	< 0.0020
NiO	< 0.0010	SO <sub>3</sub>	< 0.0050

