

Material Specification : Smelter Grade Alumina

SGA

Chemical and Physical Analysis		Typical Value	Limit	Method
Al ₂ O ₃	%	99,0	≥ 98,0	Dif.*
SiO ₂	%	0,009	≤ 0,015	DIN 51001 / XRF*
Fe ₂ O ₃	%	0,012	≤ 0,020	DIN 51001 / XRF*
TiO ₂	%	0,002	≤ 0,003	DIN 51001 / XRF*
CaO	%	0,002	≤ 0,010	DIN 51001 / XRF*
Na ₂ O	%	0,32	≤ 0,38	DIN 51001 / XRF*
L.O.I. ¹⁾ (300° - 1000° C)	%	0,65	≤ 1,0	ISO 806
Bulk Density	kg/m ³	960	930 – 1000	ISO 903
Angle of Repose	°	33	32 – 36	ISO 902
Specific Surface Area BET	m ² /g	75	67 – 83	ISO 9277
Particle Size < 45 µm	%	11	≤ 15	ISO 13320-1
¹⁾ L.O.I. at the time of production				
* Data of dried material (105° C)				

General Information

Appearance

White free-flowing powder

Packaging

Bulk delivery

Safety Information

This product is non-hazardous, non-toxic and not inflammable. Since legislation may vary from country to country the specific instructions have to be adhered to.

Handling & warehousing

Due to the hygroscopic nature of the product, proper handling and warehousing are necessary.

REACH reference number

01-2119529248-35-0020

Please note

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