



**AFTAB Trade Group**

Supplier of aluminum hydroxide

and aluminium oxide (Alumina)

# AT145

Hard Calcined Alumina

## TECHNICAL DATASHEET

### PRODUCT INFORMATION

Hard calcined aluminum oxide  $\text{Al}_2\text{O}_3$ , mainly alpha phase, with a medium soda content.

This grade is used for the production of standard bricks, refractory cement, castables, abrasives and welding fluxes.

### CHARACTERISTICS

Physical Characteristics	Unit	Typical Value
Particle Size Distribution		
D50	$\mu\text{m}$	10
< 20 $\mu\text{m}$	%	80
< 45 $\mu\text{m}$	%	99
Specific Surface Area	$\text{m}^2/\text{g}$	0.5-2
Loss On Ignition 20°C / 1000°C	%	0.5
Chemical Characteristics	Unit	Typical Value
$\text{Al}_2\text{O}_3$	%	99.5
Alpha Alumina Content	%	95~97
$\text{Na}_2\text{O}$ total	ppm	$\leq 2000$
$\text{CaO}$	ppm	150
$\text{SiO}_2$	ppm	140
$\text{Fe}_2\text{O}_3$	ppm	150

**Valid After: 2017/01**

**AFTAB, Iran**

Tel: +98(21)66907325

Cell: +989125267996

Cell: +989224538003

[www.aphtab.com](http://www.aphtab.com)