



Hydrated Alumina
KB30
Hydrate

An easy to dissolve hydrated alumina for alumina chemicals production

Product Information

KB 30 is a fine sized near white hydrated alumina designed for applications where an easy dissolving and clear solution is desired. The fine sizing helps make the hydrate easy to dissolve and speeds up reaction times.

Applications

KB30 is used for the production of aluminium chemicals, most commonly:

- alum
- sodium aluminate
- poly aluminium chloride
- zeolites

Product Description

KB30 Hydrate is a hydrated alumina precipitated in a dedicated process circuit.

Process chemistry is controlled to give a fine product with low impurities and organics.

Typical Properties of KB30 Hydrated Alumina

Chemical Analyses, wt %	Shipping Limits	Typical Range ⁽¹⁾
Al ₂ O ₃	64.7 min	65.1 - 65.2
Al(OH) ₃	99.0 min	99.5 - 99.7
Na ₂ O	0.40 max	0.22 - 0.32
SiO ₂	0.010 max	<0.004
Fe ₂ O ₃	0.012 max	0.005 - 0.008
CaO	0.050 max	0.020 - 0.031
Soluble Na ₂ O	0.03 max	<0.010
Particle Size (cumulative)⁽²⁾		
% on 100 mesh (150µm)	1 max	<0.2
% on 325 mesh (45µm)	65 min	>75
Brightness (Z%)	85 min	88 - 93

1) Approximately 2 standard deviations around the mean.
2) Electroform Screens

Information presented herein is believed to be accurate and reliable but is not intended to meet any specification and does not imply any guarantee or warranty by Alcoa.