



Alcoa World Chemicals

HYDRATED ALUMINA

KB30 Hydrate

An easy to dissolve hydrated alumina for alumina chemicals production

Product Information

Is a fine sized near white hydrated alumina designed for applications where an easy dissolving and clear solution is desired.

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. 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

Typical Properties of KB30 Hydrated Alumina

Chemical Analyses, wt %	Mean	Typical Range ⁽¹⁾
Al ₂ O ₃	65.1	65.1 - 65.2
Al(OH) ₃	99.6	99.5 - 99.7
Na ₂ O	0.27	0.22 - 0.32
SiO ₂	0.001	<0.004
Fe ₂ O ₃	0.007	0.005 - 0.008
CaO	0.020	0.009 - 0.031
Soluble Na ₂ O	0.004	<0.010
Particle Size (cumulative)		
% on 100 mesh (150µm)	0.0	<0.2
% on 200 mesh (75µm)	26	<50
% on 325 mesh (45µm)	83	>75
Physical Analyses		
Brightness ⁽²⁾	91	88 - 93
Loss on Ignition (110-1000°C)	34.7	34.6 - 34.8
Loose Bulk Density (kg/m ³)	1150	1090 - 1210
Packed Bulk Density (kg/m ³)	1410	1350 - 1480

(1) Approximately 2 standard deviations around the mean.

(2) Z% Brightness

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.

MSDS Number-839



PRODUCT DATA

Asia and Australasia

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