



ALMATIS

PREMIUM ALUMINA



## Americas Provisional Product Data

# GMA Unground Calcined Aluminas

Almatris GMA is a family of unground calcined aluminas designed for melt (or dissolution) applications. They are high purity products at greater than 99%  $\text{Al}_2\text{O}_3$  on an oxide basis and are available in several maximum levels for  $\text{Na}_2\text{O}$ . All are fully calcined materials with low levels for percent LOI (Loss On Ignition) when heated to 1100°C. Oversize particles are removed by carefully screening the alumina after calcination. The GMA family of products have minimal contamination with metallic elements. Note: Lower levels of percent greater than 45 microns (325 mesh) are available for applications where the customer's equipment cannot adequately control/process the standard products.

GMA's attributes provide a free flowing alumina with consistent overall alumina content for easy batching calculations with the weight feeders. The low levels of both +425 micron particles and of high refractoriness oxide particles minimize "stoning" in the furnace discharge. The GMA 30 NS (Normal Soda) version is the standard product that works extremely well in most industry applications. GMA is also available in IS (Intermediate Soda) and LS (Low Soda) versions for applications where viscosity of the liquid melt must be more tightly controlled.

Think alumina, think Almatris.

PP-AM/RCP/020/R01/0708/MSDS 387



## GMA Unground Calcined Aluminas

Product	GMA 30 NS	GMA 30 IS	GMA 30 LS
<b>Chemical Composition (%)</b>			
Al <sub>2</sub> O <sub>3</sub> by oxide difference	98.6 min	99.0 min	99.0 min
Na <sub>2</sub> O	0.60 max	0.35 max	0.15 max
Fe <sub>2</sub> O <sub>3</sub>	0.04 max	0.04 max	0.04 max
SiO <sub>2</sub>	0.10 max	0.10 max	0.10 max
BCI magnetics	0.0030 max	0.0030 max	0.0030 max
<b>Physical Properties (%)</b>			
Moisture	0.5 max	0.5 max	0.5 max
LOI, room temp. to 1100°C	1.5 max	1.5 max	1.5 max
<b>Particle Size (%)</b>			
+20M*/0.600mm	0.00 max	0.00 max	0.00 max
+35M*/0.425mm	0.05 max	0.05 max	0.05 max
+100M*/0.150mm	15 max	15 max	15 max
+325M*/0.045mm	70 min	70 min	70 min
<325M*/0.045mm	30 max	30 max	30 max

\*Tyler Mesh

All data is based upon Almatís standard test methods.  
All test methods are available upon request.  
The Min/Max data represents provisional Almatís product specifications.

### Standard Packaging

1. Bulk truck
2. Bulk rail car



## Contacts for sales, technical information and application assistance

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**MSDS 387**