

# CHARLES B. CHRYSTAL CO., INC

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INDUSTRIAL MINERALS SINCE 1897

## HYDRATED ALUMINUM OXIDE

This is a soft Alumina Trihydrate. It is devoid of sharp edges and hard substances. It has a narrow particle distribution and is suitable as a polish.

### CHEMICAL ANALYSIS:

Al <sub>2</sub> O <sub>3</sub>	65.1% by difference
H <sub>2</sub> O combined	34.5
Na <sub>2</sub> O	0.35
Other	0.05

### PHYSICAL ANALYSIS:

Color, texture	white, soft, fine powder
Mohs hardness	2.5 - 3.5
Untapped density	0.2 gr/cm <sup>3</sup>
Tapped density	0.5 gr/cm <sup>3</sup>
pH (5%)	10
Brightness (Tappi R457)	97
Surface area (flow sorb)	7 m <sup>2</sup> /gr
Medium particle (Sedigraph)	0.7 micron
Largest particle	5% over 1.5 micron
Smallest particle	5% below 0.25 micron

PACKING: 50 lbs paper bag

ORIGIN: Canada