



DATA SHEET  
NYACOL® AL25-SD

## NYACOL® Alumina Powder High Temperature Coating / Binder

### NYACOL® AL25-SD

NYACOL® AL25-SD is a spray dried alumina powder based on colloidal alumina. The powder is pseudo-boehmite or boehmite form alumina and is high in purity. Typical sodium is <100 ppm as Na, and the product is chloride free and low in other impurities. The spray dried powder has a typical mean size of 10 - 20 microns.

The product is high in dispersibility and will easily peptize in extrusion processes. The powder disperses to a colloidal sol with simple mixing in water.

Applications include catalysts, as a binder for ceramics and refractories, and paper coatings.

### TYPICAL PROPERTIES

Form:	White powder
Al <sub>2</sub> O <sub>3</sub> , %:	80
Surface Area:	90 - 120 m <sup>2</sup> /g after calcining 3 hours at 550°C
Crystallite Size by XRD:	159 Ang.
Crystalline Phase:	>99% AlO(OH) (Boehmite)
pH:	4.0

Figure 1 shows the typical XRD pattern for AL25-SD.

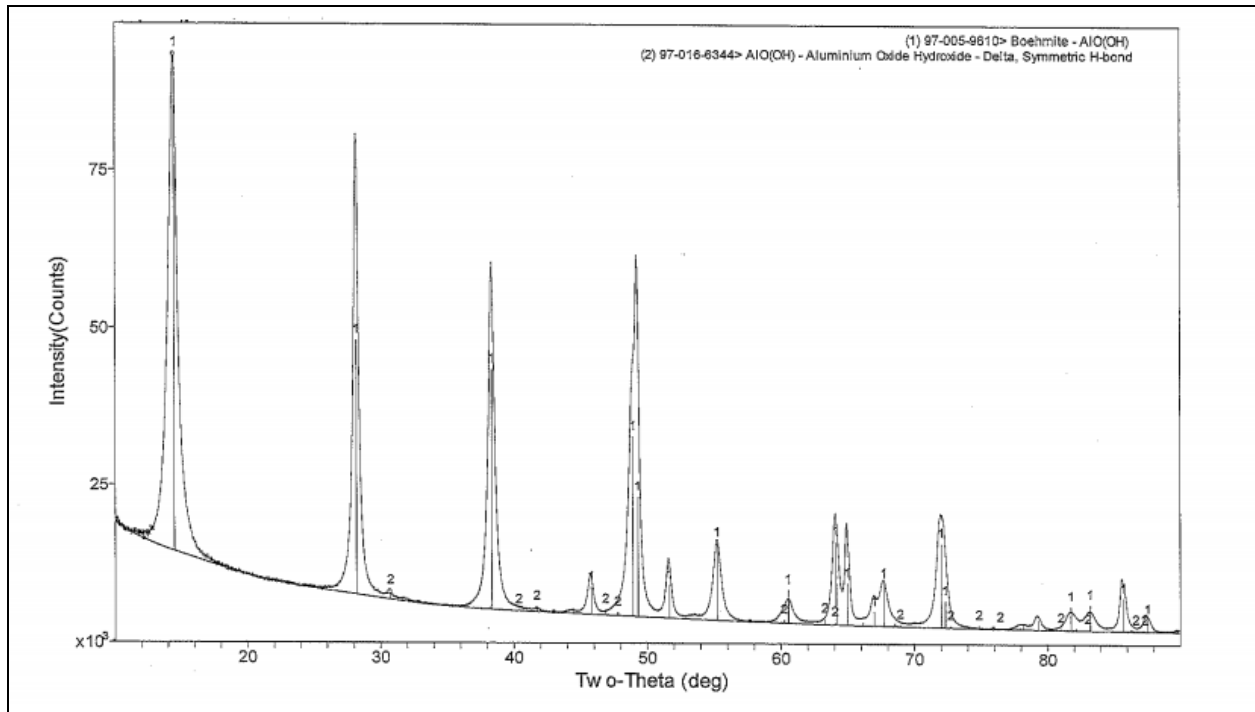
### PACKAGING

NYACOL® AL25-SD is available in 15-gallon drums containing 100 pounds net weight.

### SAFETY

NYACOL® AL25-SD is acidic and may cause eye and skin irritation. Users should observe precautions printed on the package label. A Safety Data Sheet for this product will be supplied on request.

Figure 1: AL25-SD Typical XRD



**FOR ADDITIONAL INFORMATION OR TO PLACE AN ORDER**

Nyacol Nano Technologies, Inc.  
Megunko Road  
P.O. Box 349  
Ashland, MA 01721-0349 U.S.A.

Telephone: 508-881-2220  
Toll-Free: 800-438-7657  
Fax: 508-881-1855  
Internet: [www.nyacol.com](http://www.nyacol.com)

Information herein is accurate to the best of our knowledge. Suggestions are made without warranty or guarantee of results. Before using, user should determine the suitability of the product for the intended use and user assumes the risk and liability in connection therewith. We do not suggest violation of any existing patents or give permission to practice any patented invention without a license. 201608

NYACOL is a trademark of Nyacol Nano Technologies, Inc.  
P.O. Box 349, Ashland, MA 01721-0349 USA Tel.: 508-881-2220