

ALOX	Technical Datasheet
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Chemical Name	ALUMINIUM OXIDE	
Grade Name	ALOX	
CAS No.	1344-28-1	
HS Code	281820	
EINECS No.	215-691-6	
Molecular Formula	Al ₂ O ₃	
Synonyms	<ul style="list-style-type: none"> Aluminium hydroxide Alumina 	
TEST	SPECIFICATION	METHOD
Appearance	Superfine micronized white powder	Visual
% Aluminium	Minimum 99.5%	AAS
% SiO ₂	Max 0.05%	XRF / AAS / ICP
% Fe ₂ O ₃	Max 0.05%	XRF / AAS / ICP
pH (1% Solution)	6-8	pH Meter
Particle Size D50 Microns	Max 2 Micron	Particle Size Analyzer (Wet Method)
Particle size D95-100 Microns	Max 10 Microns	Particle Size Analyzer (Wet method)

Product Information:

- Submicron ALOX is an aluminum oxide powder that has been milled so that its average particle size (D50) is below 1 micron.
- ALOX has high hardness, compression strength, abrasion resistance, chemical inertness, and a high melting point
- ALOX is used in coatings, polishing, and filler applications.
- ALOX is fairly chemically inert and white, aluminium oxide is a favored filler for plastics.
- Submicron ALOX is a common ingredient in sunscreen.
- ALOX is also used in cosmetics such as blush, lipstick, and nail polish.
- In refineries Submicron ALOX is used as catalyst to convert hydrogen sulfide waste gases into elemental sulfur.
- Submicron ALOX serves as a catalyst support for hydrosulfurization and some Ziegler–Natta polymerizations.

Product Handling & safety:

Please refer to our product MSDS for specific instructions on handling this product.

Product Registration:

Title: 21-FOOD AND DRUGS
 Chapter: I--FOOD AND DRUG ADMINISTRATION - DEPARTMENT OF HEALTH AND HUMAN SERVICES
 Subchapter: B - FOOD FOR HUMAN CONSUMPTION (CONTINUED)
 Part: 176 - INDIRECT FOOD ADDITIVES: PAPER AND PAPERBOARD COMPONENTS
 Subpart: B - Substances for Use Only as Components of Paper and Paperboard
 Section: 176.180 Components of paper and paperboard in contact with dry food.

Product Disclaimer

Important : This statement supersedes any Buyers documents. Seller makes no representation, Warranty, Express or Implied, Including of Merchantability of Fitness for a particular use, or purpose.

No statement herein is to be construed as inducements to infringe any relevant patent. Under no circumstances shall Seller be liable for incidental, consequential or indirect damages for alleged negligence breach of warranty, strict liability, and tort or contact rising in connection with product(s). Buyers sole remedy and Sellers sole Liability for any claims shall be buyers purchase price. Data and results are based on controlled or lab work and must be confirmed by the buyer by testing for its indented conditions of use.

This product is not been tested for, and is therefore not recommended for, use for which prolonged contact with mucous membranes, abraded skin, or blood is intended, or for use for which implantation within human body is intended.