

# Nanometer High-purity Alumina (CAS 1344-28-1) Market Research Report 2024

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## Abstracts

Nanometer High-purity Alumina (CAS 1344-28-1) Market Research Report 2024 presents comprehensive data on Nanometer High-purity Alumina markets globally and regionally (Europe, Asia, North America etc.)

The report includes Nanometer High-purity Alumina description, covers its application areas and related patterns. It overviews Nanometer High-purity Alumina market, names Nanometer High-purity Alumina producers and indicates its suppliers.

Besides, the report provides Nanometer High-purity Alumina prices in regional markets.

In addition to the above the report determines Nanometer High-purity Alumina consumers in the market.

BAC Reports offers its clients in-depth market research of chemical industry products on the global and regional markets (North & Latin America, Asia Pacific, European Union, Russia and CIS).

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market forecast.

Nanometer High-purity Alumina (CAS 1344-28-1) Market Research Report 2024 can feature:

market condition and estimations, market forecast

chemical product ranges, trademarks, analogous products, application areas

regional and global producers, consumers and traders (including contact details).

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## About

Product Name: Nanometer High-purity Alumina

Synonyms:

alpha-Aluminum oxide

Alumina

Aluminum trioxide

Aluminium oxide

Activated alumina

Activated Alumina for Hydrogen Peroxide

ALPHA-ALUMINA

Aluminum oxide

BROWN FUSED ALUMINA

Alumina (type unspecified)

?-Alumina

Alumina, activated

Alumina, calcined

Alumina, chromatographic

Alumina, fused

CAS#:

1344-28-1

1333-84-2

90669-62-8

Formula:	$\text{Al}_2\text{O}_3$
Molecular Weight:	101.96
Appearance:	White crystalline solid or powder, very hard, odorless.
Usage:	Production of aluminum, manufacture of abrasives, refractories, ceramics, electrical insulators, catalyst & catalyst supports, paper, spark plugs, crucibles & laboratory works, adsorbent for gases & water vapors, chromatographic analysis, fluxes, light bulbs, artificial gems, heat resist

Activated alumina refers to a synthetically processed white to slightly red, odorless compound with the molecular formula  $\text{Al}_2\text{O}_3$ . The compound is produced from aluminium oxide by dehydroxylating.

The compound is highly porous, resistant to thermal shock and abrasion. Activated alumina does not shrink, swell, soften or disintegrate in water. The compound shows significant capacity of absorption, high mechanical strength. Activated alumina is thermally stable as it starts boiling at 2980°C.

The compound functions as a catalyst, desiccant, fluoride absorbent. It is used for adsorbent and catalyst applications including the adsorption and holding moisture with change in the form of properties, the adsorption catalysts in the production of polyethylene. Due to its beneficial chemical and physical properties, the compound is utilized for the purification and drying of organic gases, air and liquids.

Activated alumina is almost non reactive in the biological environment, and causes few side effects to human health. Still, a prolonged direct contact with activated alumina may cause an irritation or slight abrasive damage to eyes or skin.

Activated alumina market is covered in the study Activated alumina (CAS 1344-28-1) Market Research Report 2013. The report encompasses proper description of the product, unveils application areas, and briefly summarizes patents in the sphere. It overlooks activated alumina market situation, names manufacturers, suppliers as well as users. The report also provides current activated alumina prices.

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