

Alpha-Ketoglutaric Acid (CAS 328-50-7) Market Research Report 2024

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Abstracts

Alpha-Ketoglutaric Acid (CAS 328-50-7) Market Research Report 2024 presents comprehensive data on ALPHA-KETOGLUTARIC ACID markets globally and regionally (Europe, Asia, North America etc.)

The report includes ALPHA-KETOGLUTARIC ACID description, covers its application areas and related patterns. It overviews ALPHA-KETOGLUTARIC ACID market, names ALPHA-KETOGLUTARIC ACID producers and indicates its suppliers.

Besides, the report provides ALPHA-KETOGLUTARIC ACID prices in regional markets.

In addition to the above the report determines ALPHA-KETOGLUTARIC ACID 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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capacities and production

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Alpha-Ketoglutaric Acid (CAS 328-50-7) 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: ALPHA-KETOGLUTARIC ACID

Synonyms:

2-Ketoglutaric acid

2-Oxo-1,5-pentanedioic acid

2-Oxopentanedioic acid

Alpha Ketoglutaric Acid

Alpha Ketoglutarate

2-Oxoglutaric acid

?-Ketoglutaric acid

CAS#: 328-50-7

Formula: $C_5H_6O_5$

Molecular Weight: 146.1

Appearance: White to off-white solid.

Alpha ketoglutaric acid, otherwise known as 2-oxoglutaric acid, 2-oxopentanedioic acid, 2-ketoglutaric acid, is a substance that is found in a human body. Alpha ketoglutaric acid occurs as a white or off-white solid with the molecular formula $C_5H_6O_5$ and molecular weight 146.09. The product has a melting point of 113-115 °C and boiling point of 137.8 °C. Alpha ketoglutaric acid is soluble in water, ethanol, acetone; and insoluble in toluene. The acid is manufactured by oxidative decarboxylation of isocitrate and by oxidative deamination of glutamate.

Alpha ketoglutaric acid plays a key role in chemical reactions that are involved in the body's production of energy. The product is effective for the proper functioning of the immune system. Alpha ketoglutaric acid finds its application in the treatment and prevention of cataracts, yeast infections, bacterial infections and kidney disease. Furthermore, the acid stimulates the production of protein, improves exercise endurance and stabilizes blood sugar levels. Alpha ketoglutaric acid reduces levels of ammonia formed in the brain, muscles and kidneys.

The product may cause acute eyes damage. Inflammation of the skin, pre-existing dermatitis condition are the health effects caused by alpha ketoglutaric acid. Gastrointestinal tract discomfort followed by vomiting and nausea may be produced by the ingestion of the product. Moreover, the acid can produce respiratory irritation. Excessive concentrations of the product may cause further disability. Prolonged or repeated contact with alpha ketoglutaric acid can lead to disease of the airways.

Alpha ketoglutaric acid market is covered in the study ALPHA-KETOGLUTARIC ACID (CAS 328-50-7) Market Research Report 2023. The report encompasses proper description of the product, unveils application areas, and briefly summarizes patents in the sphere. It overlooks alpha ketoglutaric acid market situation, names manufacturers, suppliers as well as users. The report also provides current alpha ketoglutaric acid prices in the market.

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