

Global (North America, Europe, Asia-Pacific, South America, Middle East and Africa) GABA (CAS 56-12-2) Market 2018, Forecast to 2023

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Abstracts

GABA (?-aminobutyric acid) is a four carbon non-protein amino acid that is widely distributed in plants, animals and microorganisms. As a metabolic product of plants and microorganisms produced by the decarboxylation of glutamic acid, GABA functions as an inhibitory neurotransmitter in the brain that directly affects the personality and the stress management. A wide range of traditional foods produced by microbial fermentation contain GABA, in which GABA is safe and eco-friendly, and also has the possibility of providing new health-benefited products enriched with GABA. Synthesis of GABA is catalyzed by glutamate decarboxylase, therefore, the optimal fermentation condition is mainly based on the biochemical properties of the enzyme. Major GABA producing microorganisms are lactic acid bacteria (LAB), which make food spoilage pathogens unable to grow and act as probiotics in the gastrointestinal tract.

SCOPE OF THE REPORT:

This report focuses on the GABA (CAS 56-12-2) in global market, especially in North America, Europe and Asia-Pacific, South America, Middle East and Africa. This report categorizes the market based on manufacturers, regions, type and application.

Gamma-Amino Butyric acid (GABA) is an amino acid which acts as a neurotransmitter in the central nervous system. It inhibits nerve transmission in the brain, calming nervous activity. GABA plays an important role in behavior, cognition, and the body's response to stress. Lower-than-normal levels of GABA in the brain have been linked to schizophrenia, depression, anxiety, and sleep disorders.

At present, there are two ways to produce GABA: chemical synthesis method and biological fermentation method. Among them, biological fermentation method feeding on monosodium L-glutamate and Lactobacillus, is safer and more widely used. Only in this

way, can GABA be used in pharmaceuticals, foods, beverages, and animal feeds in China. The price of GABA produced from monosodium L-glutamate and Lactobacillus is relatively higher. As the limitation of application fields, the market share of chemical synthesis product decreased

China is the dominate producer of GABA, the production was 443.3 MT in 2015, accounting for about 85.79% of the total amount, followed by Japan, with the production market share of 11.36%. Even though a huge space for growth in the Chinese market exists, the quality and technology should be further improved.

Leading players in GABA industry are Pharma Foods International, Sekisui Chemical, Zhejiang YiWan Biolabs. All of those manufacturers produce GABA through biological fermentation method and have more advanced equipment, strong R&D capabilities; high technical level. Therefore, the price is higher. The top three companies occupied about 53.97% value share of the market in 2015.

Food & Beverage accounted for the largest market with about 71.54% of the global GABA consumption in 2015. Moreover, it is anticipated to grow at a CAGR of 3.61% from 2017 to 2021. With over 15.74% share in the GABA market, animal feeds was the second largest application market in 2015, and is anticipated to grow at a CAGR of 3.85%, in terms of consumption volume, from 2017 to 2021.

The GABA price of each company decreased in past several years with increasing production. In the next few years, with the biological fermentation method get more market shares, we predict that average price level will rise.

The worldwide market for GABA (CAS 56-12-2) is expected to grow at a CAGR of roughly 5.5% over the next five years, will reach 57 million US\$ in 2023, from 42 million US\$ in 2017, according to a new GIR (Global Info Research) study.

Market Segment by Manufacturers, this report covers

Pharma Foods International

Sekisui Chemical

Zhejiang YiWan Biolabs

Shanghai Richen

Guangdong Luckerkong Biotech

Tianjin Shijitianlong Biotech

Ningxiang Jiayuan Biology Technology

Zhejiang Tianrui Chemical

Taizhou Xinyou Pharmaceutical & Chemical

Market Segment by Regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia and Italy)

Asia-Pacific (China, Japan, Korea, India and Southeast Asia)

South America (Brazil, Argentina, Colombia etc.)

Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)

Market Segment by Type, covers

Chemical Synthesis

Biological Fermentation

Market Segment by Applications, can be divided into

Pharmaceuticals

Food & Beverage

Animal Feeds

Others

There are 15 Chapters to deeply display the global GABA (CAS 56-12-2) market.

Chapter 1, to describe GABA (CAS 56-12-2) Introduction, product scope, market overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of GABA (CAS 56-12-2), with sales, revenue, and price of GABA (CAS 56-12-2), in 2016 and 2017;

Chapter 3, to display the competitive situation among the top manufacturers, with sales, revenue and market share in 2016 and 2017;

Chapter 4, to show the global market by regions, with sales, revenue and market share of GABA (CAS 56-12-2), for each region, from 2013 to 2018;

Chapter 5, 6, 7, 8 and 9, to analyze the market by countries, by type, by application and by manufacturers, with sales, revenue and market share by key countries in these regions;

Chapter 10 and 11, to show the market by type and application, with sales market share and growth rate by type, application, from 2013 to 2018;

Chapter 12, GABA (CAS 56-12-2) market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;

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