

# Global Guanidinoacetic Acid Market Data Survey Report 2025

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## Abstracts

### Summary

Guanidinoacetic Acid is a metabolite of glycine in which the amino group has been converted into a guanidine. Guanidinoacetic Acid is a direct precursor of creatine and is used as a supplement. Taking guanidinoacetic acid can increase muscle strength and slow muscle fatigue, etc. And add guanidinoacetic acid into fodder can make lean pig's body improve significantly. However the metabolism of creatine from Guanidinoacetic Acid in the liver causes a depletion of methyl groups. This causes homocysteine levels to rise, which has been shown to produce cardiovascular and skeletal problems. A series of studies showed that a combination of betaine and Guanidinoacetic Acid improves the symptoms of patients with chronic illness, including heart disease, without toxicity. Betaine can provide a methyl group to glyco-cyamine, via methionine, for the formation of creatine. In overall, such treatment led to less fatigue, greater strength and endurance, and an improved sense of well-being. The patients with cardiac decompensation (arteriosclerosis or rheumatic disease) and congestive heart failure had improved cardiac function. The patients gained weight (improved nitrogen balance) and saw lessened symptoms of arthritis and asthma and increased libido, and those people suffering from hypertension experienced transient reduced blood pressure. Also the studies shows the increase of glucose tolerance in both diabetic subjects and subjects without diabetes.

The global Guanidinoacetic Acid market will reach Volume Million USD in 2017 with CAGR xx% 2018-2025. The main contents of the report including:

Global market size and forecast Regional market size, production data and export & import

Key manufacturers (manufacturing sites, capacity and production, product specifications etc.)

Average market price by SUK

Major applications

Key manufacturers are included based on manufacturing sites, capacity and production, product specifications etc.:

AlzChem

Tiancheng Chempharm

Jiangsu Yuanyang

Hubei Yuanhua

Hebei Daxiao

GENDONE

Shijiazhuang Zexing Group

Lubon Industry

Major applications

as follows:

Fodder

Medicine

Others

Regional market size, production data and export & import:

Asia-Pacific

North America

Europe

South America

Middle East & Africa

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