

# BestGod



## Description

BestGod (Glucose Oxidase) is fermented by the improved strains using a liquid submerged fermentation technique, and produced by an advanced post-treatment technique. It is a kind of new green feed additive which protects and promotes intestinal health, promotes digestion and absorption of nutrients, inhibits mycotoxin, removes toxins, and improves the production performance of poultry and livestock.

## Specification

Name	BestGod	Activity	1000-10000U/g
Strain	Aspergillus niger	EC code	EC 1.1.3.4
Form	Powder	Carrier	Starch/Dextrin
Color	Light yellow, yellow	Loss on drying	≤10%
Working pH	2.5-7.0	Optimum pH	3.0-6.0
Working T	30°C-70°C	Optimum T	37°C
Particle size	80% pass 40 mesh		
Package	25kg /bag		
Storage	Stored 12 months in dark, cool and dry conditions		
Caution	Avoid direct sunlight, high temperature		

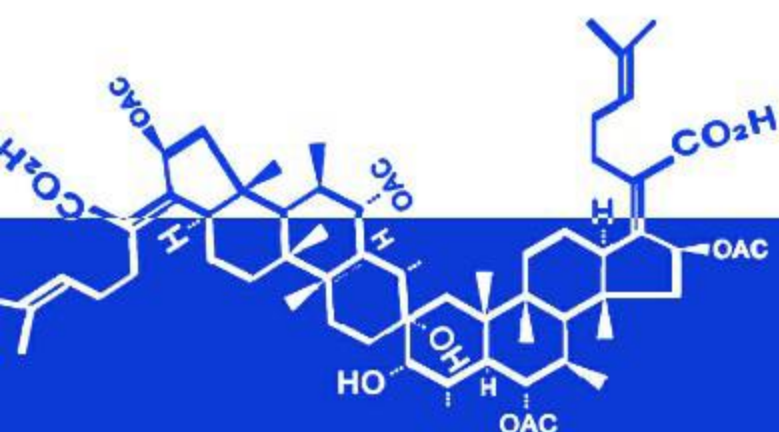
Definition of activity: One unit (U) of Glucose Oxidase activity is defined as the amount of enzyme which oxidized to D-gluconic acid and generated H<sub>2</sub>O<sub>2</sub> per minute from 1μmol β -D- glucose at 37°C and pH5.5.

## Functions

- ① Antibacterial and detoxification  
Inhibit the growth of molds, and reduce the damage of the mycotoxin, especially the aflatoxin B1.
- ② Healthcare  
Generation of glucose acid can improve the intestinal acid digestion environment.  
Create an anaerobic environment and keep the ecological balance of intestinal flora.  
Remove the free radicals produced by the intestinal epithelial cells and protect the integrity of the intestinal epithelium.
- ③ Improve the production performance, lower feed cost.

## Dosage

Recommended dosage in complete feed of BestGod with 1000 U/g:150-300g/t.





## Application

Experimental animal: one-day-old broiler, total 20000 broilers, 50days.

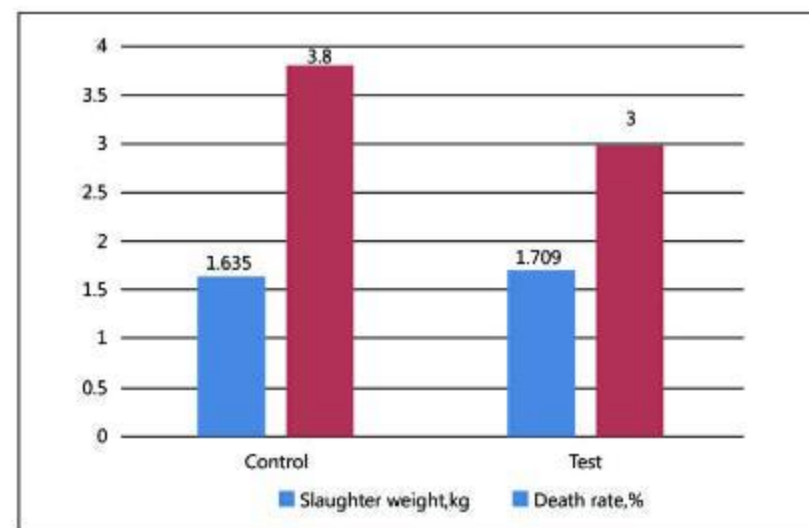
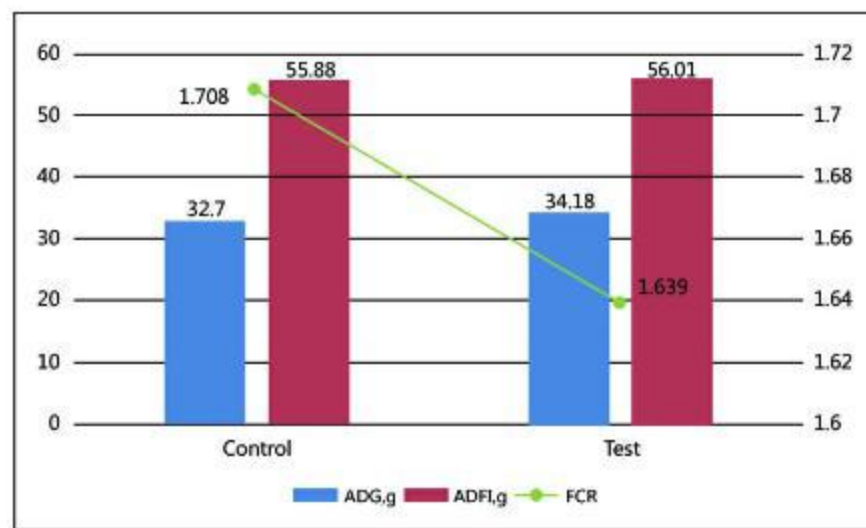
Experimental site: Farm in Xicheng township, Puyang, Henan.

Experimental treatments:

Control group: Based diets

Test group : Based diets+BestGod 100g/t water

Results:



BestGod is an ideal feed additive to improve the growth performance. BestGod could increase daily gain, daily feed intake and slaughter weight, and decrease the feed/gain and death rate.