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TECHNICAL DATA SHEET

TDS-ENZ368-EN · REV. 02 · 2026-11-03

# Glucose Oxidase Mycotoxin Detoxifier for Drinking Water

Glucose oxidase (EC 1.1.3.4) preparation dosed in drinking water for livestock and poultry.

SKU **ENZ368** CATEGORY **GLUCOSE OXIDASE** ENZYME CLASS **EC 1.1.3.4** CAS **9001-37-0** GRADE **FEED GRADE**

Not restricted for transport

| DECLARED ACTIVITY | WORKING PH | SHELF LIFE | RECOMMENDED DOSAGE |
|---|---|---|---|
| **300 U/g** | **3.0 – 7.0** | **12 months** | **500 g/ton** |
| as stated under Technical Specifications | pH stability range, no optimum stated | sealed, see storage below | per ton of drinking water |

## SPECIFICATION

### IDENTITY

| | |
|---|---|
| Enzyme | Glucose oxidase, EC 1.1.3.4 Typical |
| CAS number | 9001-37-0 Typical |
| Reaction | Oxidation of β-D-glucose in the presence of oxygen, producing gluconic acid and hydrogen peroxide Typical |

### ACTIVITY

| | |
|---|---|
| Enzyme activity | **300 U/g** Typical |
| Storage stability | Maintains ≥90% enzyme activity after 12 months under proper storage conditions Typical |

### WORKING WINDOW

| | |
|---|---|
| pH stability range | **3.0 – 7.0** Typical |
| Recommended inclusion rate | 500 g/ton (drinking water) Typical |

### PHYSICAL

| | |
|---|---|
| Packaging | 1 kg/bag, sealed food-grade aluminum foil bag Typical |
| Shelf life | 12 months Typical |

**Spec** = release limit, confirmed on every lot's Certificate of Analysis. **Typical** = normal product behaviour, not a release limit.

## STORAGE & PACKAGING

SHELF LIFE
**12 months**

STORAGE
**Maintains ≥90% enzyme activity after 12 months under proper storage conditions**

PACK SIZE
**1 kg/bag, sealed food-grade aluminum foil bag**

ORDERING
**Online or by e-mail; current price on the product page**

## APPLICATIONS

**Dose in drinking water for swine: weaners, growers, finishers and sows**
Supports intestinal health and feed efficiency

**Treat drinking water on cattle, dairy, sheep and goat farms**
Supports a balanced gut microenvironment

**Supply broiler, layer and duck flocks with enzyme-treated drinking water**
Supports egg production stability and weight gain

**Lower intestinal pH through gluconic acid production**
Limits growth of harmful bacteria such as Escherichia coli and Salmonella

**Mitigate certain mold toxins, such as aflatoxins, via hydrogen peroxide formation**
Supports liver function under mold exposure conditions

## DOSAGE

**500 g/ton**
per ton of drinking water

| | |
|---|---|
| Addition point | **Drinking water** |
| Preparation | **Dissolve thoroughly in water before administration** |
| Use of solution | **Use immediately after dilution; do not store diluted solution** |

Do not exceed the recommended application rate unless professionally advised.
Do not mix with glucose in drinking water when feeding animals.

Each lot is released against its specification; the lot Certificate of Analysis reports the measured values.



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Online: enzymes.bio/product/glucose-oxidase-mycotoxin-detoxifier-for-drinking-water

Enzyme preparations are proteins and may sensitise; avoid skin, eye and inhalation contact. This technical data sheet gives the product specification and typical values; it is not a batch certificate. A Certificate of Analysis for the supplied lot accompanies each shipment. Safety Data Sheet on request.

SCAN TO ORDER