

## Product Information and Specification

## GutCare® X

**DESCRIPTION**

GutCare® X is a source of a direct microbial that supports the maintenance of the intestinal microbial balance in poultry and swine. GutCare® X is compatible with most commonly used commercial coccidiostats, antibiotic growth promoters and organic acids.

**INGREDIENTS**

*Bacillus subtilis* DSM 32315, calcium carbonate.

**PROCESSING**

GutCare® X is a direct fed microbial and can be used in poultry and swine feed. Can be added into compound feed and pelletized up to 85 °C for 1 minute.

**DIRECTIONS FOR USE**

Add min. 50 g per metric ton of feed.  
Add min. 0.1 lb per short ton of feed  
Contact a representative from Evonik Operations GmbH for specific application advice.

**STORAGE**

Should be stored in a dark and dry place at room temperature in the original sealed packaging.

**STABILITY**

Stable for 2 years under the recommended storage conditions.

**PACKAGING**

This product is available in 25 kg bags.

**SAFETY AND ENVIRONMENT**

US - According to the OSHA Hazard Communication Standard 29 CFR 1910.1200, GutCare X is non-toxic. Not a hazardous material according to the US DOT 49 CFR Hazardous Materials Regulations (HMR).

Canada - According to the WHMIS Controlled Product Regulations in Canada, GutCare X is non-toxic. Not a hazardous material according to the Transport Canada Transportation of Dangerous Goods Regulations (TDG).

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## PRODUCT SPECIFICATION

## IDENTIFICATION

*Bacillus subtilis* DSM 32315

## SPORE COUNT GUARANTEE

min.  $2 \times 10^{10}$  CFU/g

## PRODUCT CHARACTERISTICS

## MICROBIOLOGICAL

*Salmonella* spp.

Not detectable in 25 g

Coliforms

<  $10^2$  / g

Yeast and moulds

<  $10^3$  / g

## CHEMICAL

Cadmium

&lt; 0.5 mg / kg

Mercury

 $\leq 0.1$  mg / kg

Dioxin: (WHO-PXDD / F-TEQ)

 $\leq 0.5$  ng / kg

## PHYSICAL

Solubility at 25 °C

Not soluble in water

Appearance

Dry, free flowing granules

Color

White to gray brown

Particle size

< 500  $\mu\text{m}$ 

Bulk density

Typically 1500 kg/m<sup>3</sup>

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