enzymes.bio

Add enzymes. Add value.

TECHNICAL DATA SHEET

TDS-ENZ169-EN · REV. 02 · 2026-11-03

Cellulase Enzyme Powder For Animal Feed Additives

Cellulase enzyme powder for animal feed that improves fiber digestibility and nutrient absorption.

SKU **ENZ169** CATEGORY **CELLULASE** ENZYME CLASS **EC 3.2.1.4** CAS **9012-54-8**

SOURCE ORGANISM **TRICHODERMA REESEI**

Produced by submerged fermentation

Not restricted for transport

DECLARED ACTIVITY	APPLICATION RATE	SHELF LIFE
≥2800u/g~10,000u/g	15-25 g/MT	12 months
as stated in the Enzyme Activity section	of complete feed at ≥2800 u/g	sealed, see storage below

SPECIFICATION

IDENTITY		
Product	Acid cellulase (CEA) Typical	
Enzyme class	EC 3.2.1.4 Typical	
ACTIVITY		
Declared activity	**≥2800u/g~10,000u/g** Typical	
PHYSICAL		
Appearance	White or Yellowish Powder Typical	
Colour	White to light yellow Typical	
Odour	Normal fermentation odour 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
Keep sealed in a dry and cool place and avoid direct sunlight.

PACK SIZE
1 kg per bag

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

APPLICATIONS

Add to complete feed for poultry, swine and ruminants.
Improves fiber digestibility and nutrient absorption.

Hydrolyse plant cell walls in animal feed.
Releases nutrients and promotes nutrient digestion and absorption.

Reduce viscosity of gastrointestinal chyme.
Eliminates anti-nutritional factors and enhances animal performance.

Add to feed to standardise raw material variation.
Improves feed consistency between feed products.

Feed cows and laying hens.
Improves milk yield and laying performance.

DOSAGE

15-25 g/MT

grams per metric tonne of complete feed at ≥2800 u/g

Substrate	**Complete feed**
Addition point	**Dilute the product before use**

Rates fall with higher activity: 10-20 g/MT at ≥5,000 u/g and 5-10 g/MT at ≥10,000 u/g.

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

enzymes.bio · Level 1, 6 Johnsonville Road, Wellington 6037, New Zealand · **Tel (USA) +1 (507) 428-6057** · wholesale@enzymes.bio

Online: enzymes.bio/product/cellulase-enzyme-powder-for-animal-feed-additives

Enzyme preparations are proteins that may induce sensitization; avoid skin contact and consult a doctor if irritation or allergic response develops. 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