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TECHNICAL DATA SHEET

TDS-ENZ168-EN · REV. 02 · 2026-11-03

Acid Cellulase Enzymes For Animal Feed

Acid cellulase enzyme for animal feed that breaks down cellulose in grain-based diets.

SKU **ENZ168** CATEGORY **CELLULASE** ENZYME CLASS **EC 3.2.1.4** CAS **9012-54-8** GRADE **FEED GRADE**

Produced by submerged fermentation

Not restricted for transport

DECLARED ACTIVITY	WORKING TEMPERATURE	OPTIMUM PH	SHELF LIFE
2800–10,000 u/g	**30-85°C**	**4.0-6.0**	**12 months**
range as stated on the product page	no optimum stated	stable range 3.5-7.0	sealed, see storage below

SPECIFICATION

IDENTITY		
CAS number	9012-54-8	Typical
Enzyme class	EC 3.2.1.4	Typical
ACTIVITY		
Declared activity	**2800–10,000 u/g**	Typical
PHYSICAL		
Appearance	White or yellowish powder	Typical
Odour	Normal fermentation odour	Typical
WORKING WINDOW		
Temperature	30-85°C	Typical
pH stable range	3.5-7.0	Typical
pH optimum	4.0-6.0	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
Cool, dry, ventilated place; avoid damp and insolation

PACK SIZE
1 kg / bag

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

APPLICATIONS

Add to complete feed for animals
Improves digestibility, weight gain, milk yield and laying performance

Break down cell walls of botanical feed
Releases nutrients for digestion and absorption

Reduce intestinal chyme viscosity
Eliminates anti-nutritional factors in the gut

Enhance feed uniformity across batches
Reduces quality differences from raw material variation

DOSAGE

15~25 g/MT

grams per metric tonne of complete feed, by declared activity

Activity ≥2800 u/g	**15~25 g/MT**
Activity ≥5000 u/g	**10~20 g/MT**
Activity ≥10000 u/g	**5~10 g/MT**
Used for	**Complete feed**

Dilute the concentrated enzyme before usage.

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/acid-cellulase-enzymes-for-animal-feed-additives

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