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TECHNICAL DATA SHEET

TDS-ENZ293-EN · REV. 02 · 2026-11-03

Sea Cucumber Enzyme Complex

Protease, amylase, cellulase and xylanase blend for sea cucumber aquaculture.

SKU **ENZ293** CATEGORY **AQUACULTURE ENZYMES** GRADE **FEED GRADE** FORM **POWDER**

Produced by submerged fermentation

Not restricted for transport

FORM
Light yellow to off-white powder
mild fermentation odor, easily dispersible in water

FEED DOSAGE
3–5 g/kg
per kilogram of feed, pre-dissolved in water

WATER DOSAGE
1–3 g/m³
1–3 ppm in aquaculture water

SHELF LIFE
12 months
sealed, see storage below

SPECIFICATION

COMPOSITION

Enzymatic components	**Protease, amylase, cellulase, xylanase** Typical
Carrier	Malt extract powder Typical

PHYSICAL

Appearance	Light yellow to off-white powder Typical
Odor	Mild fermentation odor Typical
Solubility	Easily dispersible in water Typical

PURITY AND HYGIENE

Residues	Free of antibiotics and chemical residues Typical

FORMULATION COMPATIBILITY

Compatible with	Probiotics, microbial ecological agents, other feed ingredients 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
Sealed container, cool and dry; avoid high humidity and direct sunlight; reseal tightly after opening

PACK SIZE
1 kg/bag

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

APPLICATIONS

Add to feed for sea cucumber aquaculture
Improves digestion and feed conversion efficiency.

Dose pond or tank water
Reduces residual organic waste and ammonia buildup, improving water clarity.

Apply in nursery and grow-out ponds
Supports nutrient absorption and growth of sea cucumbers.

Use in recirculating aquaculture systems (RAS)
Maintains water quality in the system.

Combine with probiotics or microbial agents
Works together with other feed ingredients and water conditioners.

DOSAGE

3–5 g/kg feed

per kilogram of feed

Feed application	**3–5 g per kilogram of feed**
Addition point	**Pre-dissolve in water, then mix evenly with feed**
Water treatment	**1–3 g per cubic meter (1–3 ppm) of aquaculture water**
Water addition	**Dissolve in water before even distribution**

Adjust the feed rate to feed composition and quality.
Adjust the water rate to pond water quality and organic load.

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/sea-cucumber-enzyme-complex-aquaculture-feed-grade-additive

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