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TECHNICAL DATA SHEET

TDS-ENZ024-EN · REV. 02 · 2026-11-03

Lactase Powder 10000ALU/G

Lactase powder declared at 10,000ALU/G for hydrolysis of lactose in dairy processing.

SKU **ENZ024** CATEGORY **DAIRY ENZYMES** CAS **9031-11-2** GRADE **FOOD & INDUSTRIAL**

Food grade · Industrial grade · Not restricted for transport · GMO-free · Produced by submerged fermentation

DECLARED ACTIVITY	FORM	SHELF LIFE	TEST METHOD
10,000ALU/G	**White Powder**	**12 months**	**HPLC**
as stated in the specification	active ingredient: Lactase	sealed, see storage below	no optimum temperature or pH stated

SPECIFICATION

IDENTITY		
Product name	Lactase	Typical
CAS No.	9031-11-2	Typical
Active ingredient	Lactase	Typical

ACTIVITY		
Enzyme activity	**≥ 10,000 ALU/g**	Spec
Test method	HPLC	Typical

PHYSICAL		
Appearance		Spec
Loss on drying	≤ 8.0 %	Spec
Shelf life	12 months	Typical

PURITY AND HYGIENE		
Heavy metals	< 30 mg/kg	Spec
Arsenic (As)	< 2.0 mg/kg	Spec
Lead (Pb)	< 2.0 mg/kg	Spec
Total plate count	≤ 10,000 CFU/g	Spec

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
Proper storage; conditions not stated

PACK SIZE
Bottle, Bag, Aluminum Foil Bag; weight not stated

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

APPLICATIONS

Milk hydrolysis
Hydrolyse milk and milk caramel.

Other dairy products
Process yogurt, ice cream, desserts, butter and cheese.

Digestion aid
Serve as a digestion aid in enzyme ingredients.

Galactooligosaccharides
Produce functional galactooligosaccharides through transglycosylation.

DOSAGE

Determine by trial
no application rate stated on the product page

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

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Online: enzymes.bio/product/lactase-powder-100000alu-cas9031112

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