

TECHNICAL BULLETIN



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MEM CLEAN EC2

FUNGAL LIPASE 8000 POWDER

FUNGAL LIPASE 8000

DESCRIPTION

FUNGAL LIPASE 8000 is a purified, food grade lipase derived from a selected strain of *Rhizopus oryzae* which has not been genetically modified. It is characterised by its ability to hydrolyse triglycerides. **FUNGAL LIPASE 8000** complies with FCC recommended specifications for food grade enzymes and is approved as a processing aid in the FSANZ Food Standards Code. It is classified as triacylglycerol acylhydrolase, E.C 3.1.1.3

BENEFITS

- Useful for the hydrolysis of triglycerides, primarily hydrolysing, short medium and long chain fatty acids at the 1 and 3 positions of mono-, di- triglycerides.
- Has the ability to hydrolyse a wide range of animal fats and vegetable oils.
- Active and stable over a wide pH range (4.5 – 8.5) at pH 7

CHARACTERISTICS

Activity :	80,000 LU/g
Form:	Off white powder
Odour:	Slight fermentation odour
Solubility :	Soluble in water
Kosher:	O.U.

APPLICATIONS

- Digestive preparations (pharmaceutical)
- Hydrolysis of fats and oils e.g. dairy, baking
- Feed preparations
- Sewage disposal or drain cleaner

EFFECT OF TEMPERATURE

FUNGAL LIPASE 8000 is effective up to 45 °C, with an optimum at 35 - 40 °C.

EFFECT OF pH

FUNGAL LIPASE 8000 very stable in a wide pH range (4.5 to 8.0) with an optimum of pH 7.

USE LEVEL

Initially evaluate **FUNGAL LIPASE 8000** at 0.005 – 0.02 % based on the triglyceride substrate weight. To ensure enzyme dispersion, pre-dissolve the enzyme in 5 – 10 times its own weight in clean, cool water. The **LIPASE** will be more effective if an emulsion exists.

PACKAGING

FUNGAL LIPASE 8000 is packaged in 25 Kilogram fibre drums. 1 Kg foil laminate bags are also available.

STORAGE

In sealed containers, under cool, dry conditions, the loss in activity is normally less than 10% over one year. Storage life can be extended by storing under refrigeration at 5 °C.

CAUTION

Avoid contact with skin and eyes and avoid breathing dust.

PACKAGING

1, 25 kg packs

IMPORTANT NOTICE TO CUSTOMER

*Since the use of this product is beyond the control of either seller or manufacturer, their only obligation shall be to replace any quantity of product which is proven defective. They cannot assume any risk or liability in excess of the purchase price of the product itself, which does not include labour or any consequential damages resulting from the use of this product. Determining the suitability of this product for any intended use shall be solely the responsibility of the user. **ALWAYS TEST FIRST.***

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