

# Lifetech™ CalB immo Plus Food Grade

Lipase from *Candida Antarctica B*  
Adsorbent, immobilized by  
adsorption on ECR1030M

CalB immo Plus Food Grade is an immobilized, recombinant Lipase B from *Candida antarctica* (CalB) produced by microbial fermentation with *Pichia pastoris*. It is suitable for solvent-free or organic solvent systems, and can be used for regio- and stereoselective esterifications and transesterifications. The lipase is immobilized by adsorption onto our highly hydrophobic carrier, Lifetech ECR1030M, a DVB/methacrylate co-polymer. It is supplied in food-grade quality and conforms to the general specifications and considerations for enzyme preparations used in food processing of the Joint FAO/WHO Expert Committee on Food Additives (JECFA).

## GÓWNE ZASTOSOWANIA

- Esterifications (regio- and stereo-selective)
- Transesterification
- Amidation
- Fats and oils modification
- Hydrolysis of esters

## ZALETY

- Suitable for pharma and food applications
- High mechanical stability
- High enzyme activity
- Organic solvent stability
- Available in large volumes
- Full regulatory support

## ZGODNO Z REGULACJAMI

- Resin compliant with ResAP (2004)3
- Halal
- TSE/BSE/GMO free
- JECFA (FAO/WHO) and USP/FCC specifications

## DOSTPNO OPAKOWA

- 10g
- 50g
- 250 g
- 1 kg

## PODSTAWOWE WACIWOŚCI FIZYCZNE I CHEMICZNE:

Appearance	White to slightly yellow spherical beads
Supplied as	Dry
Particle size (90% in the range)	300 - 710 µm
Total moisture	0 - 5 %
Activity	9000 60°C; Synthesis of Propyl Laurate, PLU/g
Salmonella	Absent in 25 g
Escherichia coli.	Absent in 25 g
Total coliforms	≥ 30 cfu/g
Antimicrobial activity	Negative
Lead	≥ 5 mg/kg
Expiry date (from date of manufacture)	1 year
Optimal storage condition	2 - 8 °C

## Storage

For optimum storage, keep containers tightly closed in dry, cool and well-ventilated place at temperature between 2-8C. – Product is shipped at ambient where short temperature excursions will not adversely affect the material

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