

# Lifetech™ CalB immo 8285

Lipase from *Candida Antarctica*  
B, covalently immobilized on  
ECR8285

CalB immo 8285 is an immobilized, recombinant Lipase B from *Candida antarctica* (CalB), produced by microbial fermentation with *Pichia pastoris*. It is a covalently immobilized preparation, suitable for water-based, solvent-based or solvent-free systems and can be used for regio- and stereoselective hydrolysis, esterifications and transesterifications. The lipase is immobilized onto our highly hydrophobic carrier, Lifetech ECR8285, an epoxy /butyl methacrylate co-polymer.

CalB immo 8285 was jointly developed and is co-marketed by c-LEcta and Purolite.

## GÓWNE ZASTOSOWANIA

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

## ZALETY

- Covalent immobilization
- Organic solvent stability
- High enzyme activity
- Available in large volumes
- Full regulatory support

## ZGODNO Z REGULACJAMI

- TSE/BSE/GMO free
- Council of Europe Resolution ResAP (2004)6
- Halal

## 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)	250 - 1000 µm
Total moisture	0 - 5 %
Enzyme activity (min.)	10000 PLU/gdry
Expiry date (from date of manufacture)	1 year
Storage	2 - 8 °C
Activity	> 10,000 60°C; Synthesis of Propyl Laurate, PLU/g

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