



# Product Specification

## Product Name: LIPASE LR

Alternate Name(s) Triacylglycerol acylhydrolase.

### Description

Off-white powder; slight fermentation odour.

### Properties

Chemical Formula:

Molecular Weight:

Product Code: LL107

CAS No. 9001-62-1

### General Information:

Soluble in water; insoluble in alcohol, chloroform and ether. Lipase derived from *Rhizopus oryzae*, applications consist of hydrolysis of fats and oils (dairy, baking), feed preparations and sewage disposal or drain cleaners.

### Hazard and Safety Data

UN Group: None Allocated

Class: None Allocated

UN Number: None Allocated

Hazchem code: None Allocated

CS MSDS Code:

Poison schedule: Not Scheduled

Emergency

Procedure Guide No.: N/A

Initially evaluate Lipase 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.

### Quality Specification

Assay:

### Specific Properties and Impurities [Typical levels]:

Temperature for optimum activity	35 - 40 °C
pH for optimum activity	~ 7
Activity (LU/g)	> 80000
Total plate count	≤ 50000 cfu/g
Coliforms	≤ 30 cfu/g
Yeast & Moulds	≤ 200 cfu/g
Salmonella spp.	Negative / 25g
E.Coli	Negative / 25g

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38 - 50 Bedford Street, Gillman SA 5013, Australia ABN 19 008 264 211 PO Box 201, Port Adelaide SA 5015, Australia  
Telephone +61 8 8440 2000 Fax +61 8 8440 2001 E-mail: sales@chemsupply.com.au Web: www.chemsupply.com.au

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