



# Product Specification

## Product Name: DL-MALIC ACID LR

Alternate Name(s) Hydroxysuccinic acid, DL-Malic acid

### Description

White to almost white crystalline granular powder. Sour taste.

### Properties

Chemical Formula:  $C_4H_6O_5$

Molecular Weight: 134.09

Product Code: ML008

CAS No. 6915-15-7

### General Information:

Avoid strong oxidizing agents, reducing agents, strong bases, amines, carbonates, alkali metals, carbon monoxide, carbon dioxide.

### Hazard and Safety Data

UN Group: None Allocated

Class: None Allocated

UN Number: None Allocated

Hazchem code: None Allocated

CS MSDS Code: 1CH2N

Poison schedule: Not Scheduled

Emergency

Procedure Guide No.:

### Quality Specification

Assay: 99.0%

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

Colour (APHA)	<10
Flash Point	203 °C
Melting Point	127-132 °C
Fumaric Acid	≤ 1.0%
Maleic Acid	≤ 0.05%
Water insolubles	≤ 0.1%
Sulfated ash	≤ 0.1%
Heavy Metals	≤ 0.001%
Lead	≤ 0.0002%
Specific rotation	-0.1 -- +0.1

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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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