



Product Specification

Product Name: LACTOSE Monohydrate AR

Alternate Name(s)

Description

A white or almost white, crystalline powder.

Properties

Chemical Formula: $C_{12}H_{22}O_{11} \cdot H_2O$

Molecular Weight: 360.31

Product Code: LA031

CAS No.: 64044-51-5

General Information:

Freely but slowly soluble in water, practically insoluble in ethanol.

Quality Specification

Assay:

Specific Properties and Impurities [Typical levels]:

Specific optical rotation	+54.4° - +55.9°
Appearance of solution	Clear, BY7
Acidity or alkalinity (ml 0.1M NaOH)	0.4
Water	4.5 - 5.5%
Loss on drying	1.0%
Residue on ignition	0.1%
Heavy metals	0.0005%

Hazard and Safety Data

UN Group:	None Allocated
Class:	None Allocated
UN Number:	None Allocated
Hazchem code:	None Allocated
CS MSDS Code:	1CH3J
Poison schedule:	Not Scheduled
Emergency Procedure Guide No.:	N/A

Not classified as a hazardous chemical according to the WHS Regulations.

Chem-Supply Pty Ltd - An ISO 9001 Accredited Company

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

Chem-Supply does not warrant that this product is suitable for any use or purpose. The user must ascertain the suitability of the product for any intended purpose. Preliminary testing of the product before use or application is recommended. Any reliance or purported reliance upon Chem-Supply Pty Ltd with respect to any skill or judgement or advice in relation to the suitability of this product for any purpose is disclaimed. Except to the extent prohibited at law, any condition implied by any statute as to the merchantable quality of this product or fitness for any purpose is hereby excluded. This product is not sold by description. Where the provisions of Part V, Division 2 of the Trade Practices Act apply, the liability of Chem-Supply Pty Ltd is limited to the replacement or supply of equivalent goods or payment of the cost of replacing the goods or acquiring equivalent goods.