

# Product Specification

## Product Name: LANTHANUM (III) OXIDE AR

Alternate Name(s) Lanthanum sesquioxide; lanthanum trioxide; lanthana; lanthanum (III) oxide.

### Description

White or buff amorphous powder. Hygroscopic. Substance readily absorbs carbon dioxide from air.

### Properties

Chemical Formula:  $\text{La}_2\text{O}_3$   
Molecular Weight: 325.82

Product Code: LA065  
CAS No. 1312-81-8

### General Information:

Insoluble in water. Strongly hygroscopic. Incompatible with strong acids, strong oxidising agents, carbon dioxide, chlorine trifluoride, water (combines vigorously with the evolution of heat).

### Hazard and Safety Data

### Quality Specification

Assay: 99.99% min.

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

Ce	≤ 0.005%
Pr	≤ 0.01%
Loss on Ignition	≤ 3.0%
Nd	≤ 0.01%
Sm	≤ 0.01%
Y	≤ 0.005%
Fe	≤ 0.01%
Si	≤ 0.01%
Pb	≤ 0.01%
Particle size (micron)	2.0 - 10.0

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

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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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