



# Product Specification

## Product Name: GALACTOSE LR

Alternate Name(s) (D(+)-Galactose)

### Description

White crystalline powder.

### Properties

Chemical Formula:  $C_6H_{12}O_6$

Molecular Weight: 180.16

Product Code: GL015

CAS No. 59-23-4

### General Information:

### 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

### Quality Specification

Assay: 99.0% min.

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

Specific optical rotation	78.5 - 81.0°
Loss on drying	≤ 0.5%
Residue on Ignition	≤ 0.2%
Chloride (Cl)	≤ 0.003%
Sulfate (SO <sub>4</sub> )	≤ 0.005%
Heavy metals (as Pb)	≤ 0.001%
Arsenic (As)	≤ 0.0001%
Lead (Pb)	≤ 0.0003%
Cadmium (Cd)	≤ 0.0001%
Mercury (Hg)	≤ 0.00001%

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