



Product Specification

Product Name: MALTOSE Monohydrate LR

Alternate Name(s) Malt sugar, D(+)-Maltose, Maltobiose, 4-O-alpha-D-Glucopyranosyl-D-glucose, D(+)-Maltose Monohydrate

Description

Colourless crystals or white powder. Slightly soluble in alcohol. Insoluble in ether. About one-third as sweet as sucrose.

Properties

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

Molecular Weight: 360.32

Product Code: ML005

CAS No. 6363-53-7

General Information:

Avoid strong oxidisers.

Hazard and Safety Data

UN Group: None Allocated

Class: None Allocated

UN Number: None Allocated

Hazchem code: None Allocated

CS MSDS Code: 1CH46

Poison schedule: Not scheduled

Emergency

Procedure Guide No.: N/A

Quality Specification

Assay: 92.0% min

Specific Properties and Impurities [Typical levels]:

Vapour Density	12.4
Solubility in Water	850 g/L @ 25°C
Specific Gravity	1.54 @ 17 °C
Melting Point	110-130°C
Moisture (By KF)	≤ 7.0%
Glucose	≤ 3.0%
pH Value	4-5.5
Ignition residue	≤ 0.05%
Heavy Metals (Pb)	≤ 0.0005%
Arsenic (As)	≤ 0.0002%

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