



Product Specification

Product Name: D-MANNITOL AR

Alternate Name(s)

Description

White crystalline powder or granules; odourless; faint sweet taste.

Properties

Chemical Formula:

Molecular Weight: 182.17

Product Code: MA009

CAS No. 69-65-8

General Information:

Soluble in water; slightly soluble in ethanol; insoluble in ether. Incompatible with strong oxidizing agents, strong acids, strong alkalis. Combustible. Danger of dust explosion.

Hazard and Safety Data

UN Group: None Allocated

Class: None Allocated

UN Number: None Allocated

Hazchem code: None Allocated

CS MSDS Code: None Allocat

Poison schedule: Not Scheduled

Emergency

Procedure Guide No.: N/A

Quality Specification

Assay: 99.0% min.

Specific Properties and Impurities [Typical levels]:

Specific rotation	+23° to +25°
Reducing sugars	≤ 0.05%
Insoluble matter	≤ 0.01%
Loss on drying at 105°C	≤ 0.05%
Residue on ignition	≤ 0.02%
Acidity (CH ₃ COOH)	≤ 0.005%
Lead (Pb)	≤ 0.0005%
Chloride	≤ 0.001%
Sulfate	≤ 0.005%
Arsenic	≤ 0.0001%
Calcium	≤ 0.001%
Iron	≤ 0.0005%
Subst. darkened by H ₂ SO ₄	Passes test
D(-)-Sorbitol (GC)	≤ 1.0%

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