

## CM 23128 – D+MANNOSE

REF NO: TBL/QA/SS/LC/365	<b>STANDARD SPECIFICATION FOR D+MANNOSE</b>	Rev. No: 03
Issue No: 04		Review Date:26/10/2024
Issue Date: 27/10/2021		Product code:365

### PRODUCT PROPERTIES

C.A.S Number	3458-28-4
Chemical Formula	C <sub>6</sub> H <sub>12</sub> O <sub>6</sub>
Formula weight	180.16
Functional Uses	D-(+)-Mannose has been used: as a reference standard in monosaccharide analysis as a medium component for the selection of P898012 sorgum seeds transfected with Agrobacterium in segmented filamentous bacterium (SFB) medium supplement for culturing human cell lines
Standard Packaging	25 gm, 100gm

### PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White crystalline powder.
Solubility	10% Soln. in water is clear and colorless.

### CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Specific Rotation	+ 13.3° to +14.3°
Moisture	NMT – 1.0%
Melting point	128 – 130°C
Sulphated ash	NMT – 0.1%
Assay (HPLC)	NLT – 99.0%

**NOTE:**Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

