

365 – D+MANNOSE

REF NO: TBL/QA/SS/LC/365	STANDARD SPECIFICATION FOR D+MANNOSE	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 ₆ H ₁₂ O ₆
Formula weight	180.16
Functional Uses	<p>D-(+)-Mannose has been used:</p> <ul style="list-style-type: none"> as a reference standard in monosaccharide analysis as a medium component for the selection of P898012 sorghum 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.