

TMB 048 – D-(+)-MALTOSE (Mono)

REF NO: TBL/QA/SS/LC/TMB 048	STANDARD SPECIFICATION FOR D-(+)-MALTOSE (Mono)	Rev. No: 03
Issue No: 04		Review Date: 06/02/2025
Issue Date: 07/02/2022		Product code: TMB 048

PRODUCT PROPERTIES

C.A.S Number	6363-53-7
Chemical Formula	C ₁₂ H ₂₂ O ₁₁ H ₂ O
Formula weight	360.31
Functional Uses	D-(+)-Maltose monohydrate is used as a carbohydrate supplement in yeast nitrogen base (YNB) medium for culturing the fungus <i>Leucoagaricus gongylophorus</i>
Standard Packaging	100 gm. & 500 gm.

PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White to off-white crystals or powder
Solubility	Soluble in water

CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Specific rotation (c = 10% in water, at 20°C)	+128.00 to +130.00
Melting Point	1190 –1210C
DNase, RNase	None detected
Assay	NLT – 99.0%

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

