



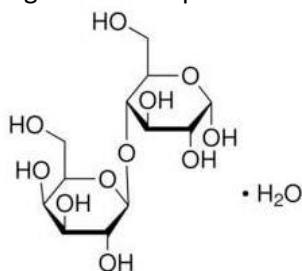
Certificate of Analysis.

α-Lactose monohydrate reference standard, AnStan®.

Product code:	BS14366.
Description:	α-Lactose monohydrate reference standard, AnStan®.
Chemical Name:	4-O-β-D-Galactopyranosyl-α-D-glucose.
Pack:	5 gm.
CAS NO.:	5989-81-1.
Mol. Weight:	360.31 g/mol.
Mol. Formula:	C₁₂H₂₂O₁₁.H₂O.
MDL Number:	MFCD00150747.
Melting point:	219 °C.
Boiling Point:	412.35°C.
Density:	1.53 g/cm³.
Solubility:	Soluble in water.
Storage:	Store at 2-8°C Refrigerator.
LOT NO.:	Sample.
Manufacture Date:	Lot specific.
Expiry Date:	5 years.

Test	Specification	Measured Values
Appearance:	White to Off-White Solid.	Lot specific.
Specific rotation (α):	+54.4 to +59.9 ° (C=10, H ₂ O).	Lot specific.
Identification by NMR:	Confirms to the structure.	Lot specific.
Identification by MASS:	Confirms to the structure.	Lot specific.
Identification of IR:	Confirms to the Structure.	Lot specific.
TGA:	<1 %.	Lot specific.

Please Note: - This material is only for laboratory purpose and not for human consumption. This is a computer generated COA, no stamp or signature is required.




Dr. K. Deepti.
Technical Head.

