

CERTIFICATE OF ANALYSIS

(Certificate No. KML029007-01)

Release Date: 26/05/2026

Re-test Date: 25/05/2029

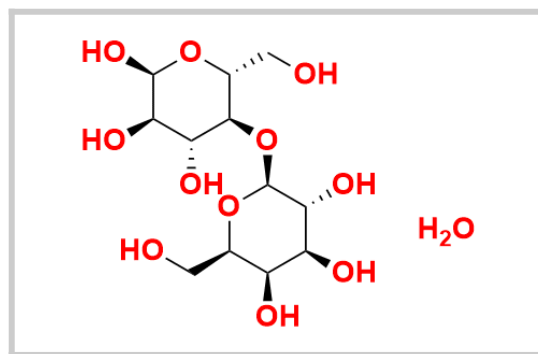
Lactose Monohydrate

Identification

Chemical Name :

(2S,3R,4R,5S,6R)-6-(hydroxymethyl)-5-(((2S,3R,4S,5R,6R)-3,4,5-trihydroxy-6-(hydroxymethyl)tetrahydro-2H-pyran-2-yl)oxy)tetrahydro-2H-pyran-2,3,4-triol hydrate

CAT No. : KML029007
CAS No. : 64044-51-5
Molecular Formula : C₁₂H₂₂O₁₁ : H₂O
Molecular Weight : 342.3 : 18.0



Analytical Information

Batch No.	: L029007-114-327	Solubility	: Water
Description	: White Solid	Mass	: Confirm as Na adduct
HPLC Purity	: 99.86 %	IR	: Confirm
Weight Loss By TGA	: 0.14 %	1H NMR	: Confirm
% Potency	: 99.72 %	13C NMR	: Confirm

Additional Information

Long Term Storage : Store at 2-8 deg. C for long term storage
Shipping Condition : Product is stable to be Shipped at Room Temperature
% Potency = $[100 - 0.14(\text{Weight Loss By TGA})] \times [99.86(\text{HPLC Purity})]/100 = 99.72 \%$
Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		26/05/2026
Reviewed & Approved By	Quality Control	Jatin Patel		26/05/2026

Attachments : COA, HPLC, MASS, 1HNMR, 13CNMR, IR and TGA