CERTIFICATE OF ANALYSIS

(Certificate No. KMF116001-01)

Release Date: 29/03/2026 **Re-test Date:** 28/03/2029

D-Fructose

Identification

Chemical Name :
(3S,4R,5R)-1,3,4,5,6-pentahydroxyhexan-2-one

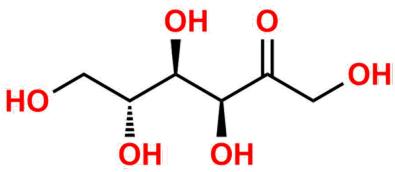
Alt. Name : O[C@H]([C@H](O)CO)[C@H](O)C(CO)=O

CAT No. : KMF116001

CAS No. : 57-48-7

Molecular Formula : C6H12O6

Molecular Weight : 180.2



Analytical Information

Batch No.	: F116001-120	**Solubility**	: Methanol
Description	: White Powder	**Mass**	: Confirm
HPLC Purity	: NLT 95.1 %	**IR**	: Confirm
Weight Loss By TGA	: NLT 0.1 %	**1H NMR**	: Confirm
% Potency	: 95 %		

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 - 0.1(Weight Loss By TGA)] x [95.1(HPLC Purity)]/100 = 95 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		29/03/2026
Reviewed & Approved By	Quality Control	Jatin Patel		29/03/2026

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