CERTIFICATE OF ANALYSIS

(Certificate No. KMC007035-01)

Release Date: 31/10/2025 **Re-test Date:** 30/10/2028

5-Deoxy-D-ribose

Identification

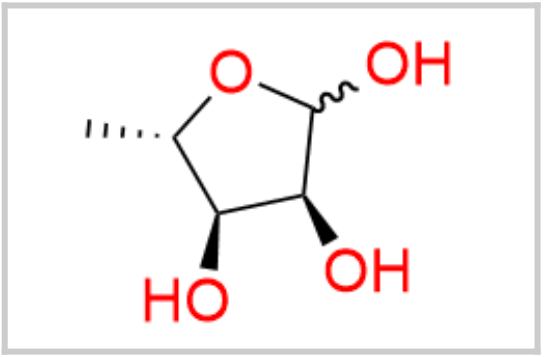
Chemical Name :
(3S,4R,5S)-5-methyltetrahydrofuran-2,3,4-triol

CAT No. : KMC007035

CAS No. : 13039-75-3

Molecular Formula : C5H10O4

Molecular Weight : 134.13



Analytical Information

Batch No.	: C007035-102-358	**Solubility**	: Water
Description	: Colorless Syrup	**Mass**	: Confirm
HPLC Purity	: 97.85 %	**IR**	: Confirm
Weight Loss By TGA	: 2.88 %	**1H NMR**	: Confirm
% Potency	: 95.03 %		

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 - 2.88(Weight Loss By TGA)] x [97.85(HPLC Purity)]/100 = 95.03 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		01/11/2025
Reviewed & Approved By	Quality Control	Jatin Patel		01/11/2025

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