

# **CERTIFICATE OF ANALYSIS**

(Certificate No. KMC007035-01)

**Release Date:** 31/10/2025

**Re-test Date:** 30/10/2028

## **5-Deoxy-D-ribose**

### **Identification**

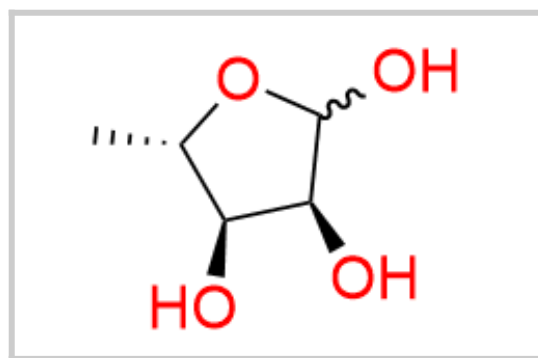
**Chemical Name :**  
(3S,4R,5S)-5-methyltetrahydrofuran-2,3,4-triol

**CAT No.** : KMC007035

**CAS No.** : 13039-75-3

**Molecular Formula** : C<sub>5</sub>H<sub>10</sub>O<sub>4</sub>

**Molecular Weight** : 134.13



### **Analytical Information**

**Batch No.** : C007035-102-358

**Description** : Colorless Syrup

**HPLC Purity** : 97.85 %

**Weight Loss By TGA** : 2.88 %

**% Potency** : 95.03 %

**Solubility** : Water

**Mass** : Confirm

**IR** : Confirm

**<sup>1</sup>H 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 - 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, <sup>1</sup>HNMR, IR and TGA