

# CERTIFICATE OF ANALYSIS

(Certificate No. KMS075001-01)

Release Date: 24/09/2024

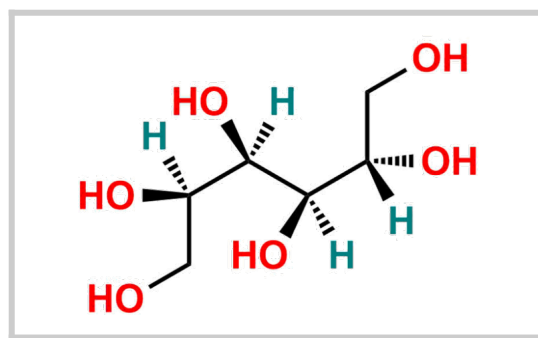
Re-test Date: 23/09/2027

## Sorbitol In House Working Standards

### Identification

**Chemical Name :**  
D-Glucitol (as per EP)

**Alt. Name** : D-sorbitol  
**CAT No.** : KMS075001  
**CAS No.** : 50-70-4  
**Molecular Formula** : C<sub>6</sub>H<sub>14</sub>O<sub>6</sub>  
**Molecular Weight** : 182.2



### Analytical Information

<b>Batch No.</b>	: S075001-073	<b>Solubility</b>	: Acetonitrile
<b>Description</b>	: White, crystalline, hygroscopic powder	<b>Mass</b>	: Confirm
<b>HPLC Purity</b>	: NLT 98.1 %	<b>IR</b>	: Confirm
<b>Weight Loss By TGA</b>	: NLT 0.1 %	<b><sup>1</sup>H NMR</b>	: Confirm
<b>% Potency</b>	: 98 %		

### 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 [98.1(HPLC Purity)]/100 = 98 %  
**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		24/09/2024
Reviewed & Approved By	Quality Control	Jatin Patel		24/09/2024

**Attachments** : COA, HPLC, MASS, <sup>1</sup>HNMR, IR and TGA