

# CERTIFICATE OF ANALYSIS

(Certificate No. KMA017007-01)

Release Date: 29/08/2024

Re-test Date: 28/08/2027

## Ascorbic Acid EP Impurity D

### Identification

**Chemical Name :**  
Methyl L-xylo-hex-2-ulosonate (as per EP)

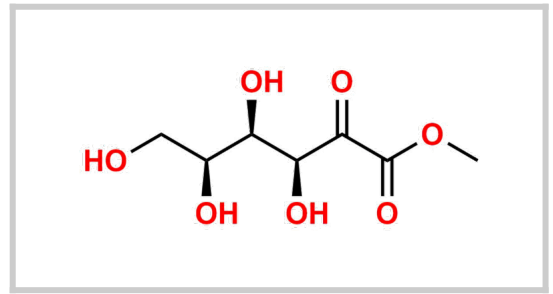
**Alt. Name :** Methyl L-sorbosonate (EP)

**CAT No. :** KMA017007

**CAS No. :** 3031-98-9

**Molecular Formula :** C7H12O7

**Molecular Weight :** 208.2



### Analytical Information

**Batch No. :** ASC-EPD-045-114

**Description :** Off White Solid

**HPLC Purity :** 97.40 %

**Weight Loss By TGA :** 0.24 %

**% Potency :** 97.17 %

**Solubility :** ACN : WATER (75 :25)

**Mass :** Confirm

**IR :** Confirm

**1H 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

-Re-tested on 29.08.2024.

**Recommendation :** Released

	Department	Name	Signature	Date
<b>Prepared By</b>	Analytical	Jignesh Patel		30/08/2024
<b>Reviewed &amp; Approved By</b>	Quality Control	Jatin Patel		30/08/2024

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