

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)

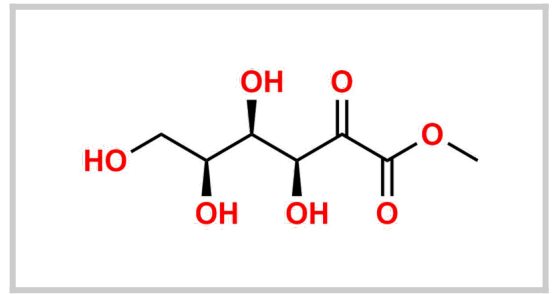
Alt. Name : Methyl L-sorbosonate (EP)

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

% Potency = $[100 - 0.24(\text{Weight Loss By TGA})] \times [97.40(\text{HPLC Purity})]/100 = 97.17 \%$

-Re-tested on 29.08.2024.

Recommendation : Released

| | Department | Name | Signature | Date |
|------------------------|-----------------|---------------|-----------|------------|
| Prepared By | Analytical | Jignesh Patel | | 30/08/2024 |
| Reviewed & Approved By | Quality Control | Jatin Patel | | 30/08/2024 |

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