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)

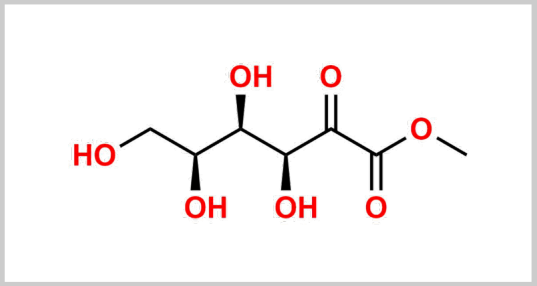
Alt. Name : Methyl L-sorbosonate (EP)

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(Weight Loss By TGA)] x [97.40(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