

CERTIFICATE OF ANALYSIS

(Certificate No. KMM102014-01)

Release Date: 13/08/2025

Re-test Date: 12/08/2028

Methionine EP Impurity D

Identification

Chemical Name :

D-Methionine, N-acetyl-L-methionyl -(ACI) ; (R)-2-((S)-2-acetamido-4-(methylthio)butanamido)-4-(methylthio)butanoic acid

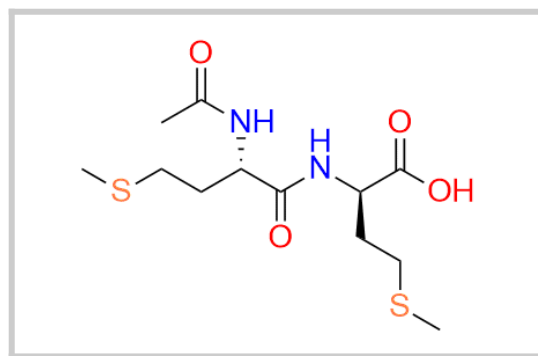
Alt. Name : Methionine EP Impurity D (S-Isomer)

CAT No. : KMM102014

CAS No. : 1879009-96-7

Molecular Formula : C₁₂H₂₂N₂O₄S₂

Molecular Weight : 322.44



Analytical Information

Batch No. : M102014-102-214

Description : Off White Solid

HPLC Purity : 98.89 %

Weight Loss By TGA : 1.47 %

% Potency : 97.44 %

Solubility : ACN : WATER
(1:1)

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 - 1.47(Weight Loss By TGA)] x [98.89(HPLC Purity)]/100 = 97.44 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		13/08/2025
Reviewed & Approved By	Quality Control	Jatin Patel		13/08/2025

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