CERTIFICATE OF ANALYSIS

(Certificate No. KMM102014-01)

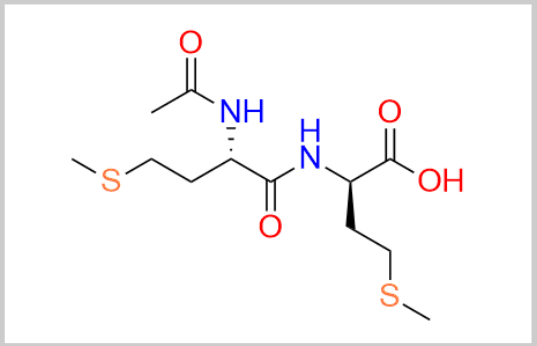
Release Date: 13/08/2025 **Re-test Date:** 12/08/2028

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