CERTIFICATE OF ANALYSIS

(Certificate No. KMC065003-01)

Release Date: 25/04/2025 **Re-test Date:** 24/04/2028

Captopril Disulphide Impurity

Identification

Chemical Name :
1,1′-[Disulfanediylbis[(2S)-2-methyl-1-oxopropane-3,1-diyl]]bis[(2S)-pyrrolidine-2-carboxylic] acid (as per EP) ; (2′S)-[(2S,2′S)-3,3′-Disulfanediylbis(2-methylpropanoyl)]di-l-proline (as per USP)

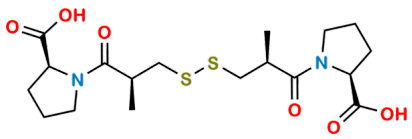
Alt. Name : Captopril Disulphide (EP & USP)

CAT No. : KMC065003

CAS No. : 64806-05-9

Molecular Formula : C18H28N2O6S2

Molecular Weight : 432.6



Analytical Information

Batch No. : C065003-091-355

Description : White Solid

HPLC Purity : 99.00 %

Weight Loss By TGA : 0.19 %

% Potency : 98.81 %

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 - 0.19(Weight Loss By TGA)] x [99.00(HPLC Purity)]/100 = 98.81 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Parag Patel		25/04/2025
Reviewed & Approved By	Quality Control	Jatin Patel		25/04/2025

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