CERTIFICATE OF ANALYSIS

(Certificate No. KML008001-01)

Release Date: 31/08/2024 **Re-test Date:** 30/08/2027

Lacosamide EP Impurity I

Identification

Chemical Name:

(2E)-N-benzyl-2-[(benzylcarbamoyl)amino]-3-methoxypropanamide

Alt. Name : Ureidolacosamide , Lacosamide EP

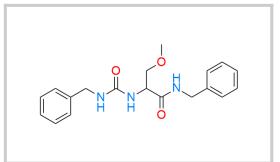
Impurity I

CAT No. : KML008001

CAS No. : Not Available

Molecular Formula : C19H23N3O3

Molecular Weight : 341.40



Analytical Information

Batch No. : LAC-EP-IMP-I-019-085 **Solubility** : Acetonitrile **Description** : Off White solid Mass : Confirm **HPLC Purity** : 91.47 % : Confirm IR Weight Loss By TGA : 0.20 % 1H NMR : Confirm % Potency : 91.29 % **13C 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 - 0.20(Weight Loss By TGA)] x [91.47(HPLC Purity)]/100 = 91.29 %

-Re-tested on 31.08.2024

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		14/10/2025
Reviewed & Approved By	Quality Control	Jatin Patel		14/10/2025

Attachments : COA, HPLC, MASS, 1HNMR, 13C NMR, IR and TGA