CERTIFICATE OF ANALYSIS

(Certificate No. KML008020-01)

Release Date: 19/09/2025 **Re-test Date:** 18/09/2028

Lacosamide EP Impurity H

Identification

Chemical Name:

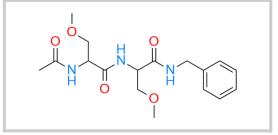
(2E) - 2 - acetamido - N - [(2E) - 1 - (benzylamino) - 3 - methoxy - 1 - oxopropan - 2 - yl] - 3 - methoxy propanamide

CAT No. : KML008020

CAS No. : 1375090-19-9

Molecular Formula : C17H25N3O5

Molecular Weight : 351.4



Analytical Information

Batch No. : L008020-102-288 **Solubility** : Acetonitrile **Description** : Off White Solid **Mass** : Confirm **HPLC Purity** : 99.43 % IR : Confirm : 0.60 % Weight Loss By TGA : Confirm 1H NMR % Potency : 98.83 % **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 - 0.60(Weight Loss By TGA)] x [99.43(HPLC Purity)]/100 = 98.83 %

-Mixture of isomer

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, 13CNMR, IR and TGA