CERTIFICATE OF ANALYSIS

(Certificate No. KML008002-01)

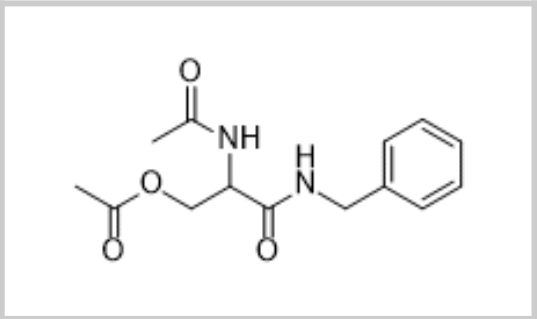
Release Date: 30/04/2025 **Re-test Date:** 29/04/2028

Lacosamide EP Impurity B

Identification

Chemical Name :
2-acetamido-3-(benzylamino)-3-oxopropyl acetate

Alt. Name	: Lacosamide USP Related Compound B , Lacosamide EP Impurity B
CAT No.	: KML008002
CAS No.	: 1822463-67-1
Molecular Formula	: C14H18N2O4
Molecular Weight	: 278.30



Analytical Information

Batch No.	: LAC-RC-B-030-075	**Solubility**	: Acetonitrile
Description	: Off White solid	**Mass**	: Confirm
HPLC Purity	: 98.79 %	**IR**	: Confirm
Weight Loss By TGA	: 3.92 %	**1H NMR**	: Confirm
% Potency	: 94.92 %		

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 - 3.92(Weight Loss By TGA)] x [98.79(HPLC Purity)]/100 = 94.92 %
-Re-tested on 30.04.2025

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		30/04/2025
Reviewed & Approved By	Quality Control	Jatin Patel		30/04/2025

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