

CERTIFICATE OF ANALYSIS

(Certificate No. KML008004-01)

Release Date: 17/06/2024

Re-test Date: 16/06/2027

Lacosamide Related Compound F

Identification

Chemical Name :
2-acetamido-N-benzyl-3-hydroxypropanamide

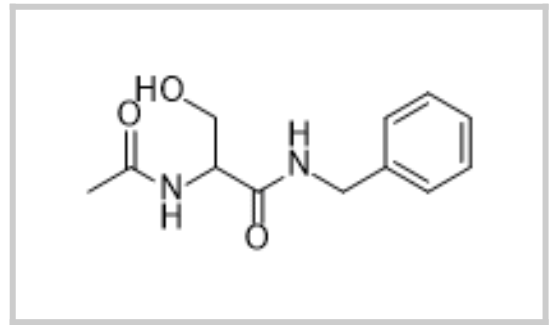
Alt. Name : Lacosamide USP Related Compound F

CAT No. : KML008004

CAS No. : 171623-02-2

Molecular Formula : C₁₂H₁₆N₂O₃

Molecular Weight : 236.27



Analytical Information

Batch No. : LAC-RC-F-030-078

Solubility : ACN

Description : Off White Solid

Mass : Confirm

HPLC Purity : 99.79 %

IR : Confirm

Weight Loss By TGA : 4.72 %

¹H NMR : Confirm

% Potency : 95.08 %

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 - 4.72(Weight Loss By TGA)] x [99.79(HPLC Purity)]/100 = 95.08 %

Remarks : Re-tested on 17.06.2024

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		18/06/2024
Reviewed & Approved By	Quality Control	Jatin Patel		18/06/2024

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