

# 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

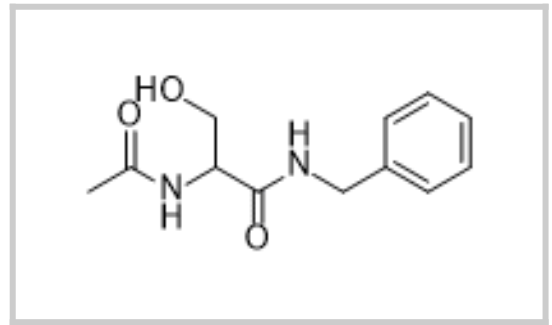
**Alt. Name** : Lacosamide USP Related Compound F

**CAT No.** : KML008004

**CAS No.** : 171623-02-2

**Molecular Formula** : C<sub>12</sub>H<sub>16</sub>N<sub>2</sub>O<sub>3</sub>

**Molecular Weight** : 236.27



### Analytical Information

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

**Description** : Off White Solid

**HPLC Purity** : 99.79 %

**Weight Loss By TGA** : 4.72 %

**% Potency** : 95.08 %

**Solubility** : ACN

**Mass** : Confirm

**IR** : Confirm

**<sup>1</sup>H NMR** : Confirm

**<sup>13</sup>C 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, <sup>1</sup>H NMR, <sup>13</sup>C NMR, IR and TGA