

# CERTIFICATE OF ANALYSIS

(Certificate No. KML008008-01)

Release Date: 03/10/2024

Re-test Date: 02/10/2027

## LACOSAMIDE ENANTIOMER

### Identification

**Chemical Name :**  
(S)-2-(Acetylamino)-3-methoxy-N-(phenylmethyl)propanamide

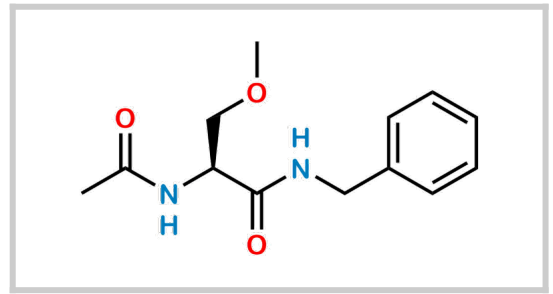
**Alt. Name** : Lacosamide S-Enantiomer (USP)

**CAT No.** : KML008008

**CAS No.** : 175481-37-5

**Molecular Formula** : C<sub>13</sub>H<sub>18</sub>N<sub>2</sub>O<sub>3</sub>

**Molecular Weight** : 250.3



### Analytical Information

**Batch No.** : L008008-073-404

**Description** : Off White Solid

**HPLC Purity** : 99.02 %

**Weight Loss By TGA** : 0.16 %

**% Potency** : 98.86 %

**Solubility** : Acetonitrile

**Mass** : Confirm

**IR** : Confirm

**<sup>1</sup>H 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 - 0.16(Weight Loss By TGA)] x [99.02(HPLC Purity)]/100 = 98.86 %

**Recommendation** : Released

	Department	Name	Signature	Date
<b>Prepared By</b>	Analytical	Jignesh Patel		04/10/2024
<b>Reviewed &amp; Approved By</b>	Quality Control	Jatin Patel		04/10/2024

**Attachments** : COA, HPLC, MASS, <sup>1</sup>H NMR, IR and TGA