# **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

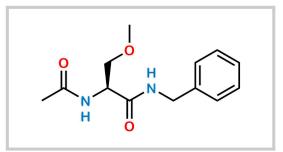
**Alt. Name** : Lacosamide S-Enantiomer (USP)

**CAT No.** : KML008008

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

Molecular Formula : C13H18N2O3

**Molecular Weight** : 250.3



### **Analytical Information**

**Description** : Off White Solid **Mass** : Confirm

**HPLC Purity** : 99.02 % **IR** : Confirm

Weight Loss By TGA : 0.16 % 1H NMR : Confirm

**% Potency** : 98.86 %

#### **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
Prepared By	Analytical	Jignesh Patel		04/10/2024
Reviewed & Approved By	Quality Control	Jatin Patel		04/10/2024

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