

# CERTIFICATE OF ANALYSIS

(Certificate No. SZ-L033012-0434)

Analysis Date: 14/12/2022

Re-test Date: 21/03/2024

## Lacosamide EP Impurity K

### Identification

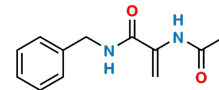
Chemical Name : 2-Acetamido-N-benzylacrylamide

CAT No. : SZ-L033012

CAS No. : 86921-49-5

Molecular Formula : C<sub>12</sub>H<sub>14</sub>N<sub>2</sub>O<sub>2</sub>

Molecular Weight : 218.3



### Analytical Information

Batch Code : SRL-342-20-1

Solubility : ACN:H<sub>2</sub>O(8:2)

Appearance of product : Off White Solid

Long Term Storage : 2-8 °C for long term storage

Weight Loss By TGA : 1.75 %

HPLC Purity : 99.14 %

Mass : Confirm

IR Analysis : Confirm

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

### Additional Information

% Potency = [100 - 1.75 ( Wt loss by TGA )] X [ 99.14 (HPLC Purity)] / 100 = 97.41 %

Recommendation : Released

Department

Signature

Date

|                          |                 |  |  |
|--------------------------|-----------------|--|--|
| Prepared and Reviewed by | Analytical      |  |  |
| Approved By              | Quality Control |  |  |

Attachments : HPLC, Mass, <sup>1</sup>H NMR, IR, TGA

Shipping Condition : All Products are stable to be shipped at room temperature, unless otherwise specified.