

CERTIFICATE OF ANALYSIS

(Certificate No. SZ-L033012-0434)

Analysis Date: 14/12/2022

Re-test Date: 21/03/2024

Lacosamide EP Impurity K

Identification

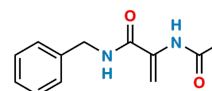
Chemical Name : 2-Acetamido-N-benzylacrylamide

CAT No. : SZ-L033012

CAS No. : 86921-49-5

Molecular Formula : C₁₂H₁₄N₂O₂

Molecular Weight : 218.3



Analytical Information

Batch Code : SRL-342-20-1

Solubility : ACN:H₂O(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

¹H 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, ¹H NMR, IR, TGA

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