

CERTIFICATE OF ANALYSIS

(Certificate No. KML008019-01)

Release Date: 31/08/2024

Re-test Date: 30/08/2027

Lacosamide Impurity G

Identification

Chemical Name :

N-benzyl acetamide; N-(Phenylmethyl)acetamide

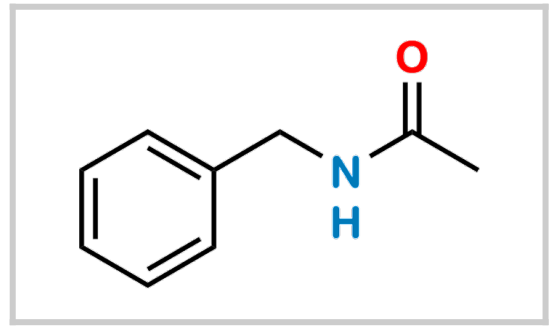
Alt. Name : N-Acetyl benzylamine or N-benzyl acetamide

CAT No. : KML008019

CAS No. : 588-46-5

Molecular Formula : C₉H₁₁NO

Molecular Weight : 149.2



Analytical Information

Batch No. : LAC-EP-IMP-G-019-180

Solubility : Acetonitrile

Description : Off White Low Melting solid

Mass : Confirm

HPLC Purity : 99.76 %

IR : Confirm

Weight Loss By TGA : 0.58 %

¹H NMR : Confirm

% Potency : 99.18 %

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 - 0.58(Weight Loss By TGA)] x [99.76(HPLC Purity)]/100 = 99.18 %
-Re-tested on 31.08.2024

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		05/09/2024
Reviewed & Approved By	Quality Control	Jatin Patel		05/09/2024

Attachments : COA, HPLC, MASS, ¹H NMR, IR and TGA