

CERTIFICATE OF ANALYSIS

(Certificate No. KML008019-01)

Release Date: 31/08/2024

Re-test Date: 30/08/2027

N-BENZYLACETAMIDE (EP 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.

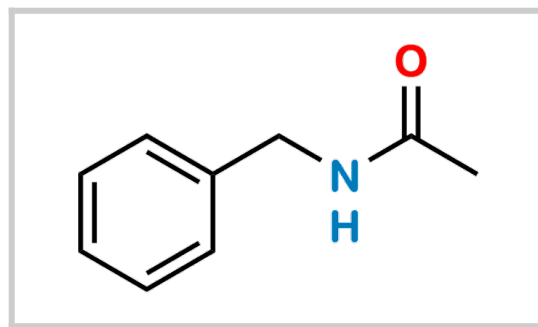
: 588-46-5

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		03/05/2025
Reviewed & Approved By	Quality Control	Jatin Patel		03/05/2025

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