CERTIFICATE OF ANALYSIS

(Certificate No. KML008019-01)

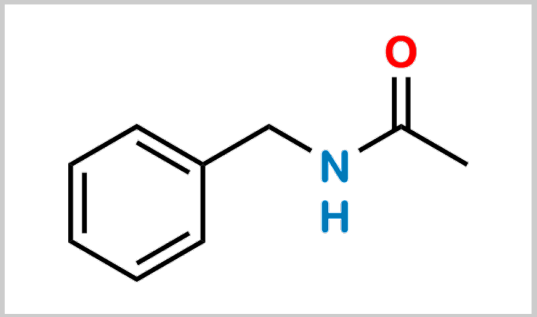
Release Date: 30/06/2026 **Re-test Date:** 29/06/2029

Lacosamide 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	: 99.67 %	**IR**	: Confirm
Weight Loss By TGA	: 0.62 %	**1H NMR**	: Confirm
% Potency	: 99.05 %		

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 - 0.62(Weight Loss By TGA)] x [99.67(HPLC Purity)]/100 = 99.05 %
-Re-tested on 30.06.2026

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		30/06/2026
Reviewed & Approved By	Quality Control	Jatin Patel		30/06/2026

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