CERTIFICATE OF ANALYSIS

(Certificate No. KMG002014-01)

Release Date: 17/03/2026 **Re-test Date:** 16/03/2029

GABAPENTIN IMPURITY B

Identification

Chemical Name :
(1-Cyanocyclohexyl)acetic acid

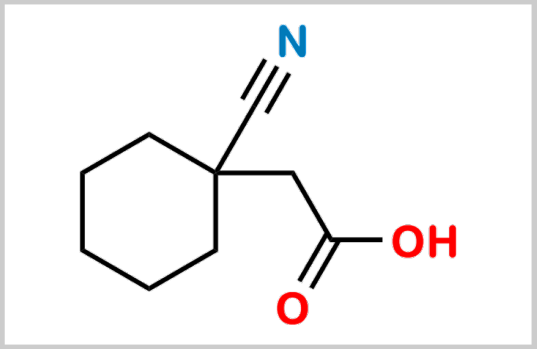
Alt. Name : Gabapentin USP Related Compound B

CAT No. : KMG002014

CAS No. : 133481-09-1

Molecular Formula : C9H13NO2

Molecular Weight : 167.2



Analytical Information

Batch No. : SR-RKZ-0064-099

Description : White Solid

HPLC Purity : 98.80 %

Weight Loss By TGA : 0.09 %

% Potency : 98.71 %

Solubility : CDCL3 and Methanol

Mass : Confirm

IR : Confirm

1H NMR : Confirm

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 - 0.09(Weight Loss By TGA)] x [98.80(HPLC Purity)]/100 = 98.71 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		17/03/2026
Reviewed & Approved By	Quality Control	Jatin Patel		17/03/2026

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