

CERTIFICATE OF ANALYSIS

(Certificate No. KMP004001-01)

Release Date: 17/10/2025

Re-test Date: 16/10/2028

(±)-3-(Carbamoyl methyl)-5-methyl hexanoic acid

Identification

Chemical Name :

(R)-3-(2-amino-2-oxoethyl)-5-methylhexanoic acid

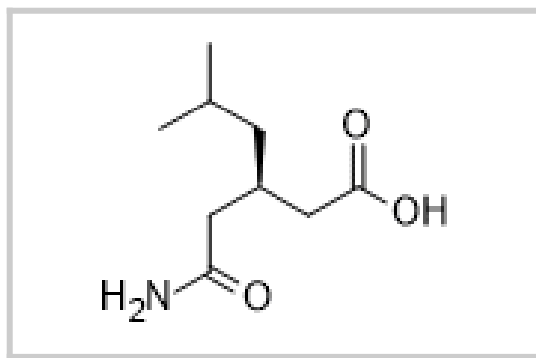
Alt. Name : Pregabalin R-CMH Standard

CAT No. : KMP004001

CAS No. : 181289-33-8

Molecular Formula : C₉H₁₇NO₃

Molecular Weight : 187.24



Analytical Information

Batch No. : PRE-(R)-CMH-09-098

Description : Off White Solid

HPLC Purity : 97.74 %

Weight Loss By TGA : 1.02 %

% Potency : 96.74 %

Solubility : ACN : Water (1:1)

Mass : Confirm

IR : Confirm

¹H NMR : Confirm

¹³C 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 - 1.02(Weight Loss By TGA)] x [97.74(HPLC Purity)]/100 = 96.74 %

-Re-tested on 17.10.2025

-¹³C NMR added on 04.12.2025

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		22/04/2026
Reviewed & Approved By	Quality Control	Jatin Patel		22/04/2026

Attachments : COA, HPLC, MASS, ¹H NMR, ¹³C NMR, IR and TGA