

# 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

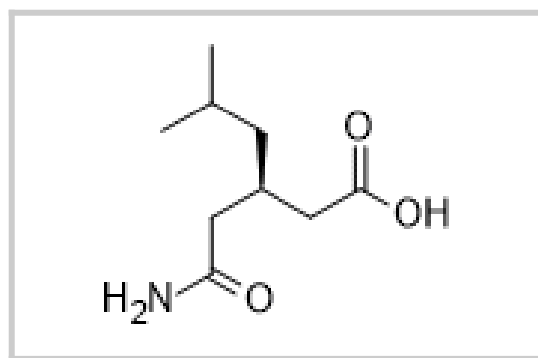
**Alt. Name** : Pregabalin R-CMH Standard

**CAT No.** : KMP004001

**CAS No.** : 181289-33-8

**Molecular Formula** : C<sub>9</sub>H<sub>17</sub>NO<sub>3</sub>

**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

**<sup>1</sup>H NMR** : Confirm

**<sup>13</sup>C 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

-<sup>13</sup>C 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, <sup>1</sup>H NMR, <sup>13</sup>C NMR, IR and TGA