

# CERTIFICATE OF ANALYSIS

(Certificate No. KMP004018-01)

Release Date: 17/12/2024

Re-test Date: 16/12/2027

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

### Identification

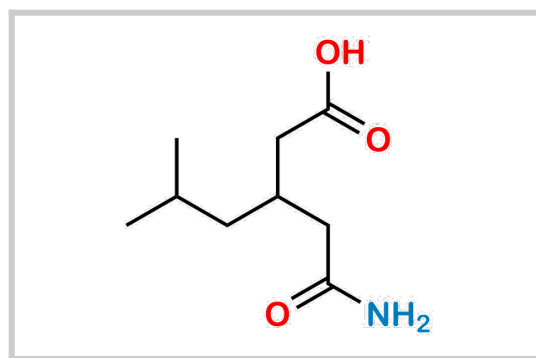
**Chemical Name :**  
3-(2-amino-2-oxoethyl)-5-methylhexanoic acid

**CAT No.** : KMP004018

**CAS No.** : 181289-15-6

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

**Molecular Weight** : 187.2



### Analytical Information

**Batch No.** : P004018-091-086

**Description** : Off White Solid

**HPLC Purity** : 99.78 %

**Weight Loss By TGA** : 0.28 %

**% Potency** : 99.5 %

**Solubility** : Acetonitrile

**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 - 0.28(Weight Loss By TGA)] x [99.78(HPLC Purity)]/100 = 99.5 %  
-<sup>13</sup>C NMR added on 05.02.2026

**Recommendation** : Released

	Department	Name	Signature	Date
<b>Prepared By</b>	Analytical	Jignesh Patel		25/04/2026
<b>Reviewed &amp; Approved By</b>	Quality Control	Jatin Patel		25/04/2026

**Attachments** : COA, HPLC, MASS, <sup>1</sup>H NMR, <sup>13</sup>C NMR, IR and TGA