

# **CERTIFICATE OF ANALYSIS**

(Certificate No. KMA008012-01)

**Release Date:** 12/08/2025

**Re-test Date:** 11/08/2028

## **Aminocaproic Acid Trimer Impurity**

### **Identification**

**Chemical Name :**

6-(6-(6-Aminohexanamido)hexanamido)hexanoic acid

**Alt. Name**

: Caprolactam trimer ; Tris- $\alpha$ -aminocaproic acid

**CAT No.**

: KMA008012

**CAS No.**

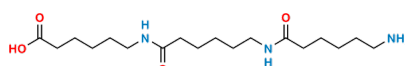
: 5776-78-3

**Molecular Formula**

: C<sub>18</sub>H<sub>35</sub>N<sub>3</sub>O<sub>4</sub>

**Molecular Weight**

: 357.5



### **Analytical Information**

**Batch No.**

: A008012-102-197

**Solubility**

: Water

**Description**

: White Solid

**Mass**

: Confirm

**HPLC Purity**

: 99.83 %

**IR**

: Confirm

**Weight Loss By TGA**

: 1.80 %

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

: Confirm

**% Potency**

: 98.03 %

### **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 - 1.80(Weight Loss By TGA)] x [99.83(HPLC Purity)]/100 = 98.03 %

**Recommendation**

: Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		12/08/2025
Reviewed & Approved By	Quality Control	Jatin Patel		12/08/2025

**Attachments** : COA, HPLC, MASS, <sup>1</sup>HNMR, IR and TGA