# CERTIFICATE OF ANALYSIS

(Certificate No. KMA027008-01)

**Release Date:** 22/05/2025 **Re-test Date:** 21/05/2028

## CTA-1 STANDARD

## Identification

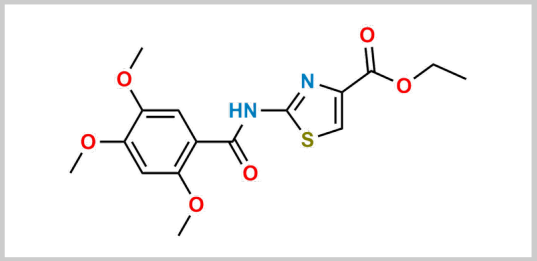
**Chemical Name** :
Ethyl 2-(2,4,5-trimethoxybenzamido)thiazole-4-carboxylate

**CAT No.** : KMA027008

**CAS No.** : 185105-98-0

**Molecular Formula** : C16H18N2O6S

**Molecular Weight** : 366.4




## Analytical Information

**Batch No.** : A027008-102-040

**Description** : Off White Solid

**HPLC Purity** : 99.03 %

**Weight Loss By TGA** : 0.57 %

**% Potency** : 98.47 %

**Solubility** : *Refer in Additional information

**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 - 0.57(Weight Loss By TGA)] x [99.03(HPLC Purity)]/100 = 98.47 %
*Solubility: Insoluble in Water and Methanol, Freely Soluble 5 mg/5 ml Acetonitrile

**Recommendation** : Released

| | Department | Name | Signature | Date |
|---|---|---|---|---|
| **Prepared By** | Analytical | Jignesh Patel | | 23/05/2025 |
| **Reviewed & Approved By** | Quality Control | Jatin Patel | | 23/05/2025 |

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