

## Certificate of Analysis

Date of Testing: 2024-01-19 17:06:25

Date of Next Testing: 2028-01-18 17:06:25

Product Name: **trans-Cinnamic acid**

CAS Number: 140-10-3

Specifications & Purity: Analytical Reagent,99%

Lot #: A2412063

SKU #: **C108496**

Analysis: **141996**

| Parameter                                 | Limit Values                                    | Result                                          |
|-------------------------------------------|-------------------------------------------------|-------------------------------------------------|
| Melting point                             | 132-136 (°C)                                    | 135.43000 °C                                    |
| Ignition Residue (as sulfate)             | 0-0.05 (%)                                      | 0.00 %                                          |
| Purity(GC)                                | 99-100 (%)                                      | 99.01 %                                         |
| Purity (Titration by NaOH)                | 98.5-101.5 (%)                                  | 100.48 %                                        |
| Appearance (C108496)                      | White to Off-White to Yellow Powder or Crystals | White to Off-White to Yellow Powder or Crystals |
| Solubility in EtOH , very faint turbidity | pass                                            | Pass                                            |
| Infrared spectrum                         | Conforms to Structure                           | Conforms to Structure                           |
| Easily carbonized                         | Pass                                            | Pass                                            |



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QA & QC Manager