

## Certificate of Analysis

Date of Testing: 2023-02-27 08:18:21  
Date of Next Testing: 2027-02-26 08:18:21  
Product Name: **trans-Cinnamic acid**  
CAS Number: 140-10-3  
Specifications & Purity: Analytical Reagent, 99%  
Lot #: B2324192  
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