纳维盈医化科技
NEWAY SINOPHC TECH

# NEWAY SINOPHC TECH. LIMITED

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## Certificate of Analysis

**Product Name: a-Methylcinnamaldehyde**

**Product Information**

| Item | Details |
|---|---|
| Product Number | AMC-20260228 |
| Batch Number | AMC-SH2026022801 |
| Brand | SIGALD |
| CAS Number | 101-39-3 |
| MDL Number | MFCD00006960 |
| Formula | $C_{10}$ $H_{10}$ O |
| Formula Weight | 146.19 g/mol |
| Quality Release Date | 28 FEB 2026 |

**Test Results**

| Test | Specification (Industry/Food/Fragrance Grade) | Result | Unit | Test Method |
|---|---|---|---|---|
| Appearance (Color) | Pale yellow to light orange | Light yellow | - | Visual Inspection |
| Appearance (Form) | Clear liquid | Clear liquid | - | Visual Inspection |
| Assay (a-Methylcinnamaldehyde) | ≥98.0% (Fragrance/Food ≥99.0%) | 99.4% | % | Gas Chromatography (GC) |
| Boiling Point | 250-255℃ | 252.8℃ | ℃ | Distillation Method |
| Refractive Index ($n^{20}$/D) | 1.5880-1.5920 | 1.5905 | - | Abbe Refractometer |
| Relative Density (20/20℃) | 1.018-1.022 | 1.020 | g/cm³ | Hydrometer Method |
| Flash Point (Closed Cup) | ≥110℃ | 115℃ | ℃ | Pensky-Martens Closed Cup |
| Water Content | ≤0.1% | 0.04% | % | Karl Fischer Titration |
| Residue on Ignition | ≤0.1% | 0.03% | % | Ignition at 600±50℃ |
| Heavy Metals (Pb) | ≤5 ppm (Fragrance/Food ≤1 ppm) | 0.2 ppm | ppm | Atomic Absorption Spectrometry (AAS) |
| Heavy Metals (As) | ≤1 ppm | 0.06 ppm | ppm | Atomic Fluorescence Spectrometry (AFS) |
| Ethanol Solubility | Miscible (1:10 in 95% ethanol) | Clear solution | - | Visual Inspection |
| Fragrance | Characteristic cinnamon spicy odor, no off-flavor | Conforms to standard | - | Sensory Evaluation |
| Supplier Information | Confirmed | Confirmed | - | - |
| Registered Trademark | Confirmed | Confirmed | - | - |

**Certification**

This batch of a-Methylcinnamaldehyde has been tested in accordance with national and industrial standards for aromatic chemicals and flavor/fragrance raw materials, and meets all specified requirements for food, cosmetic, fragrance and industrial grade use. It is qualified for release and application.

Issue Date:28 FEB 2026