

## Certificate of Analysis

|                  |   |
|------------------|---|
| Product          | Cinnamyl Alcohol (trans-3-phenyl-2-propen-1-ol) |
| CAS              | 104-54-1  |
| Lot #            | CA-2025-01                                      |
| Date of Analysis | 05 Nov 2025                                     |
| Analyst          | E. Solbrig                                      |

### Analytical Method (HPLC-UV)

Column: 150 mm × 4.6 mm, 5 μm (C18).

Mode: Isocratic. Mobile Phase: 60% ACN / 40% H<sub>2</sub>O; phosphate buffer pH 2.3 with 0.1% TEA.

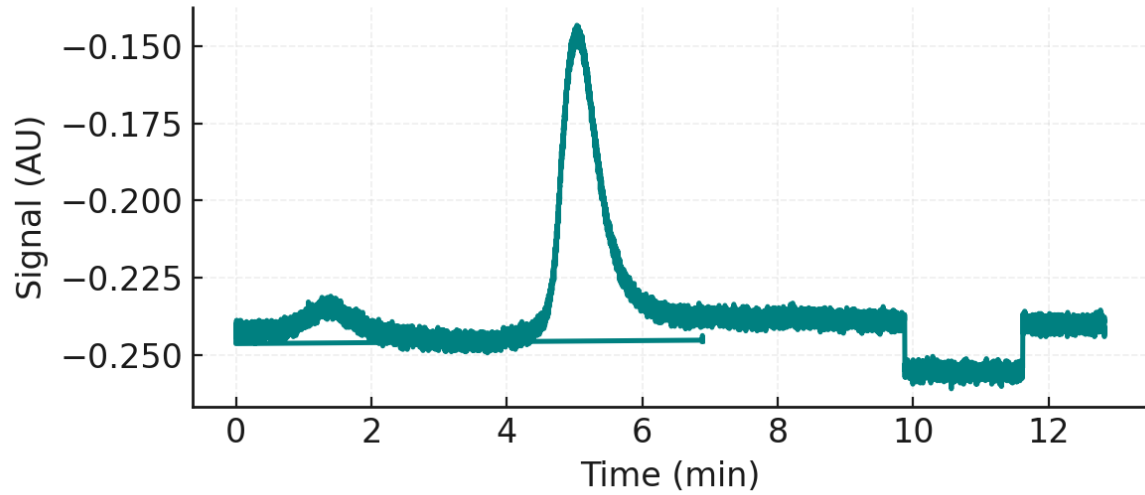
Flow Rate: 1.00 mL/min. Injection Volume: 5 μL (loop).

Detection: UV 254 nm. Temperature: 23 °C (ambient).

| Test                | Method        | Result                               | Specification   | P/F |
|---------------------|---------------|--------------------------------------|-----------------|-----|
| Appearance          | Visual        | Clear / pale yellow                  | Pass            | P   |
| Identity            | HPLC RT match | RT = 5.04 min                        | Matches ref ±2% | P   |
| Purity (% area)     | HPLC          | 98.7 %                               | ≥ 98.0 %        | P   |
| Major impurity      | HPLC          | None detected > 0.2 %                | ≤ 2.0 %         | P   |
| Tailing (5% height) | HPLC          | 1.55                                 | 0.9–1.8         | P   |
| Suitability         | Qualitative   | Suitable for ID/purity determination | —               | —   |

### Chromatogram (UV 254 nm)

## Cinnamyl Alcohol — HPLC Verified 98.7%



Storage: Keep tightly closed, protected from light and heat. Recommended shelf life: 12 months from bottling (retest as scheduled).

Signature:  Date: 06 Nov 2025