



# NEWAY SINOPHC TECH. LIMITED

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## Certificate of Analysis (COA)

### - Methyl 2-Octynoate

**Product Name:** Methyl 2-Octynoate **Quality Release Date:** 28 FEB 2026 **Issue Date:** 28 FEB 2026

#### Product Information

Product Number MO-20260228  
Batch Number MO-SH2026022801  
Brand SIGALD  
CAS Number 111-12-6  
MDL Number MFCD00009580  
Formula  $C_9H_{14}O_2$   
Formula Weight 154.21 g/mol

| Test                       | Specification (Industry Standard) | Result       | Unit              | Test Method                          |
|----------------------------|-----------------------------------|--------------|-------------------|--------------------------------------|
| Appearance (Color)         | Colorless to pale yellow          | Colorless    | -                 | Visual Inspection                    |
| Appearance (Form)          | Clear liquid                      | Clear liquid | -                 | Visual Inspection                    |
| Assay (Purity)             | ≥ 98.5%                           | 99.2%        | %                 | Gas Chromatography (GC)              |
| Boiling Point              | 195-200°C                         | 197.8°C      | °C                | Distillation Method                  |
| Refractive Index (20°C)    | 1.440-1.445                       | 1.443        | -                 | Abbe Refractometer                   |
| Relative Density (20/20°C) | 0.910-0.918                       | 0.915        | g/cm <sup>3</sup> | Hydrometer Method                    |
| Flash Point (Closed Cup)   | ≥ 75°C                            | 78°C         | °C                | Pensky-Martens Method                |
| Water Content              | ≤ 0.2%                            | 0.08%        | %                 | Karl Fischer Titration               |
| Acid Value (as KOH)        | ≤ 1.0 mg/g                        | 0.3 mg/g     | mg/g              | Titration with KOH                   |
| Heavy Metals (Pb)          | ≤ 5 ppm                           | 1.5 ppm      | ppm               | Atomic Absorption Spectrometry (AAS) |
| Residue on Evaporation     | ≤ 0.1%                            | 0.04%        | %                 | Gravimetric Method                   |
| Odor                       | Characteristic fruity-floral odor | Conforms     | -                 | Sensory Evaluation                   |

#### Certification

This batch of Methyl 2-Octynoate has been tested in accordance with the relevant industrial standards for fragrance and flavor raw materials and meets all specified requirements. It is qualified for use.