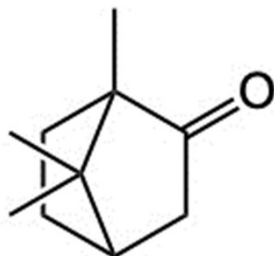


Certificate of Analysis

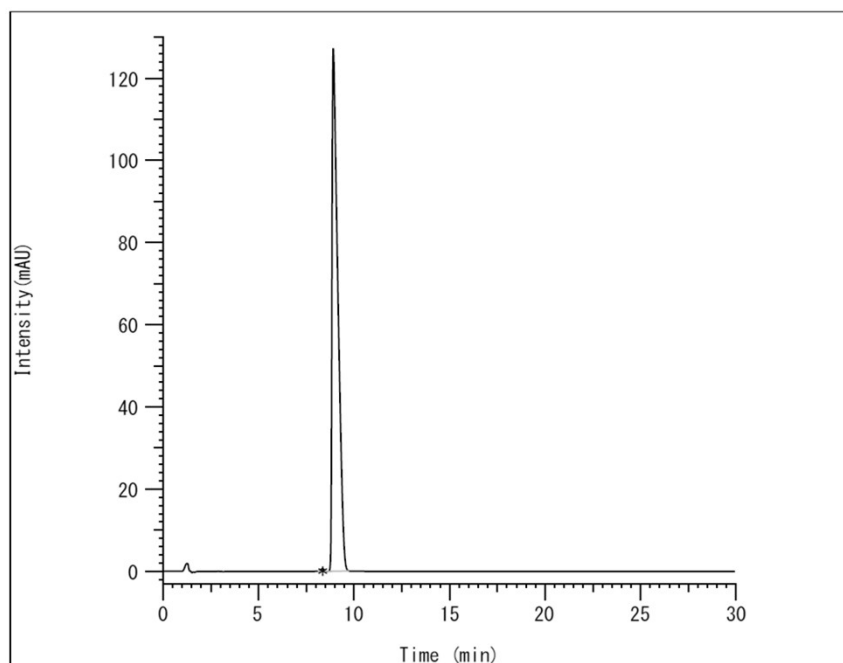
| | | | |
|---------------|---------------|--------------------|--------------------|
| Product No. | 10 | Product Name | dl- Camphor |
| Lot. No. | 102311 | Unit Quantity | 300mg |
| Analysis Date | 2026-02-02 | Storage Conditions | Room temperature |

C₁₀H₁₆O

MW : 152.23

CAS RN: 76-22-2

This product conforms to the specifications in the 18th edition of the Japanese Pharmacopoeia , Reagents, Test Solutions, "Camphor [Same as the monograph dl-Camphor]".



| Retention time | Peak area | % |
|----------------|-----------|--------|
| 8.347 | 7632 | 0.28 |
| 8.91 | 2702942 | 99.72 |
| Total | 2710574 | 100.00 |

| | |
|----------|--|
| Assay | : Not less than 99.0% |
| Detector | : An ultraviolet absorption photometer (290nm) |
| Column | : Wakosil- II 5C18 HG (φ 4.6 × 150mm) |

| | | | |
|---|---|---|------------------------|
| Purity (HPLC) | Column temperature : Mobile phase : Flow rate : Time span of measurement : | A constant temperature of about 40°C. A mixture of water, acetonitrile and phosphoric acid (300 : 200 : 1). 1.0mL/min About 3 times as long as the retention time of dl-Camphor. | Passed (99.7%) |
| Description | | | Passed |
| Identification | | | Passed |
| Optical rotation〔α〕 _D ²⁰ : -1.5~+1.5° | | | Passed (-0.4°) |
| Melting point (175~180°C) | | | Passed (178°C) |
| Purity (1) Water | | | Passed |
| Purity(2) Chlorinated compounds | | | Passed |
| Purity(3) Non-volatile residue ≦1.0mg/2.0 g | | | Passed (0.11mg/2.0 g) |
| Assay(GC) ≧96.0% | | | Passed (99.9%) |
| Water (by coulometric titration) | | | 0.4% |
| Precautions | | | |
| Order quantities that can be used immediately, and after receipt of a reference standard, store it at the specified temperature and use it as soon as possible. | | | |
| Expiration Date | November 2027(unopened) | | |

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