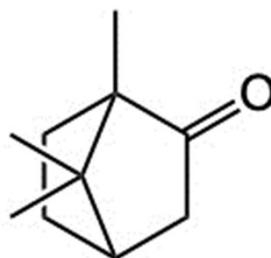


Certificate of Analysis

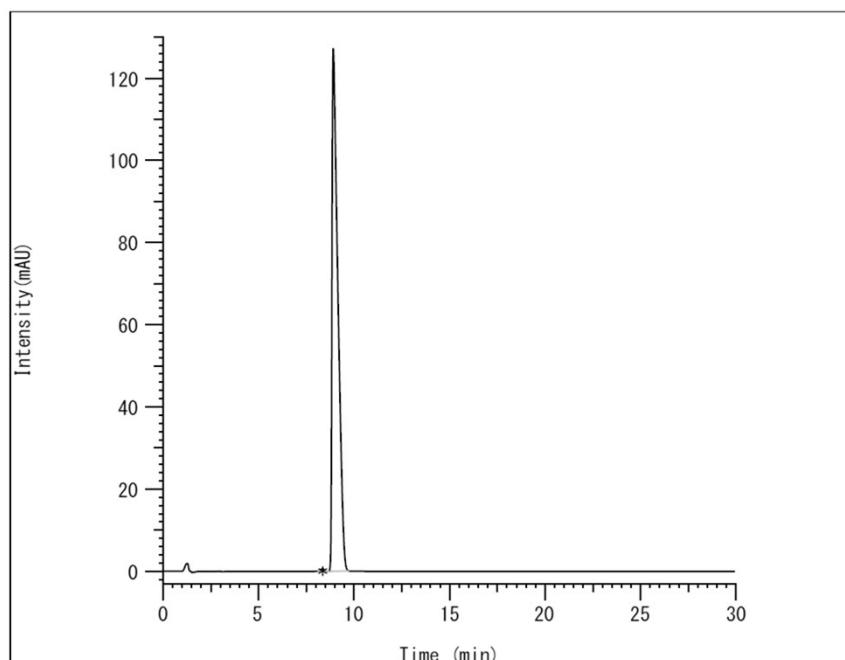
Product No.	10	Product Name	dl- Camphor
Lot. No.	102311	Unit Quantity	300mg
Analysis Date	2026-02-02	Storage Conditions	Room temperature

 $C_{10}H_{16}O$

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 : A constant temperature of about 40°C. Mobile phase : A mixture of water, acetonitrile and phosphoric acid (300 : 200 : 1). Flow rate : 1.0mL/min Time span of measurement : About 3 times as long as the retention time of dl-Camphor.	Passed (99.7%)
Description		Passed
Identification		Passed
Optical rotation $[\alpha]_D^{20}$: -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 $\leq 1.0\text{mg}/2.0\text{ g}$		Passed (0.11mg/2.0 g)
Assay(GC) $\geq 96.0\%$		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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