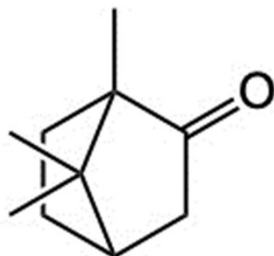


Certificate of Analysis

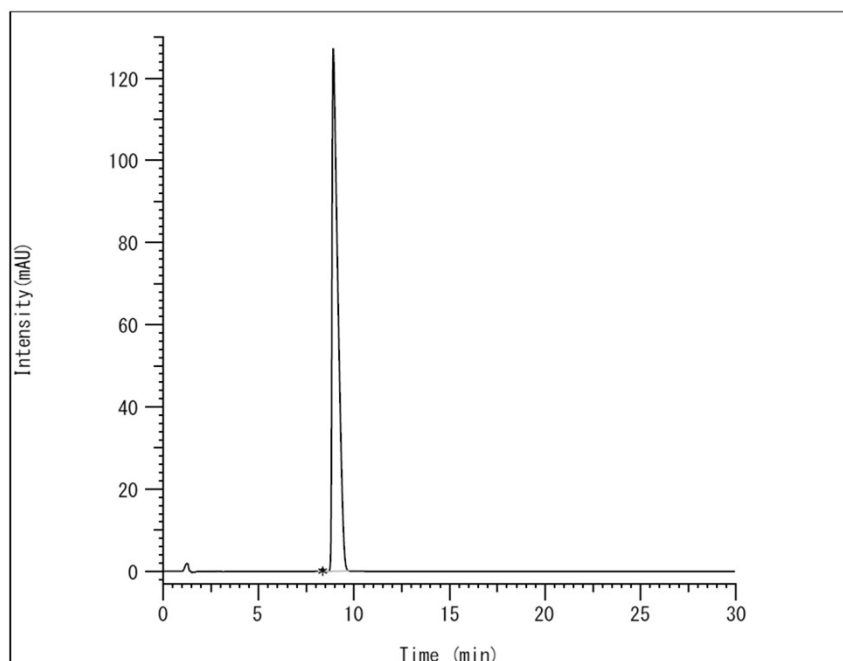
Product No.	10	Product Name	dl- Camphor
Lot. No.	102311	Unit Quantity	300mg
Analysis Date	2026-02-02	Storage Conditions	Room temperature

C₁₀H₁₆O

MW : 152.23

CAS RN: 76-22-2

This product conforms to the specifications in the 19th 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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