INDOFINE Chemical Company, Inc.
121 Stryker Lane, Bldg. 30
Hillsborough, NJ 08844 USA
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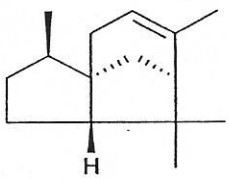


Certificate Of Analysis

025432S **α-CEDRENE** **Lot No.: 15011510**

IDENTIFICATION

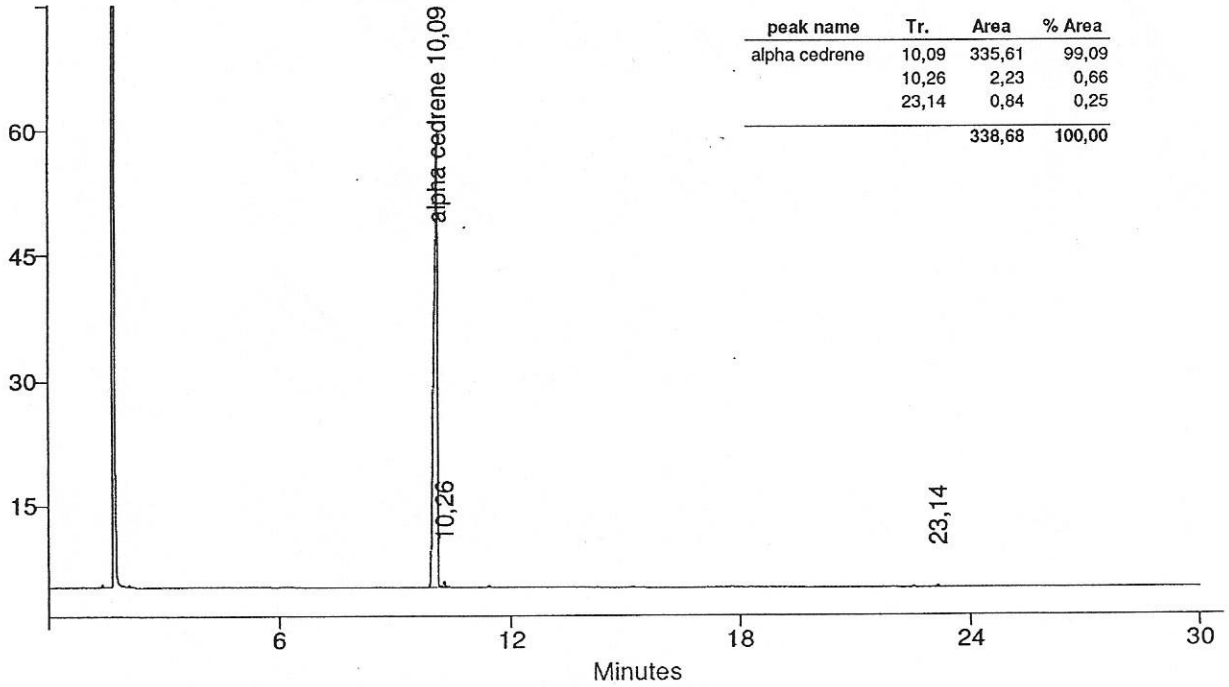
CAS Number	[469-61-4]
Molecular formula	$C_{15}H_{24}$
Molecular weight	204.36

ANALYSIS

TEST	SPECIFICATION *(January 2009, version 01)*	RESULT
Appearance	Liquid	Conform
$[\alpha]_D$	_____	-88° c=10 in ethanol
Assay (GC)	≥98% (sum of enantiomers)	Conform

GC

Column	Carbowax capillary 30m x 0.32 mm x 0.25 µm
Temperature	Column 70 to 220°C (5°C/min) Injector 200°C, Detector 230°C
Detector	FID
Carrier gas	Hydrogen 6 psi
Sample solvent	Isopropanol



peak name	Tr.	Area	% Area
alpha cedrene	10,09	335,61	99,09
	10,26	2,23	0,66
	23,14	0,84	0,25
		338,68	100,00

Date of last QC-recheck: *January 2013*
Date of retest: *January 2017*

The values given on the 'Certificate of Analysis' are the results determined at the time of analysis

Storage Store at +2/8°C.