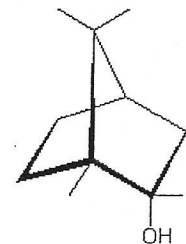




INDOFINE Chemical Company, Inc.

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Certificate Of Analysis

025421S **(+)-BORNEOL** **Lot No.: 12021712**

IDENTIFICATION

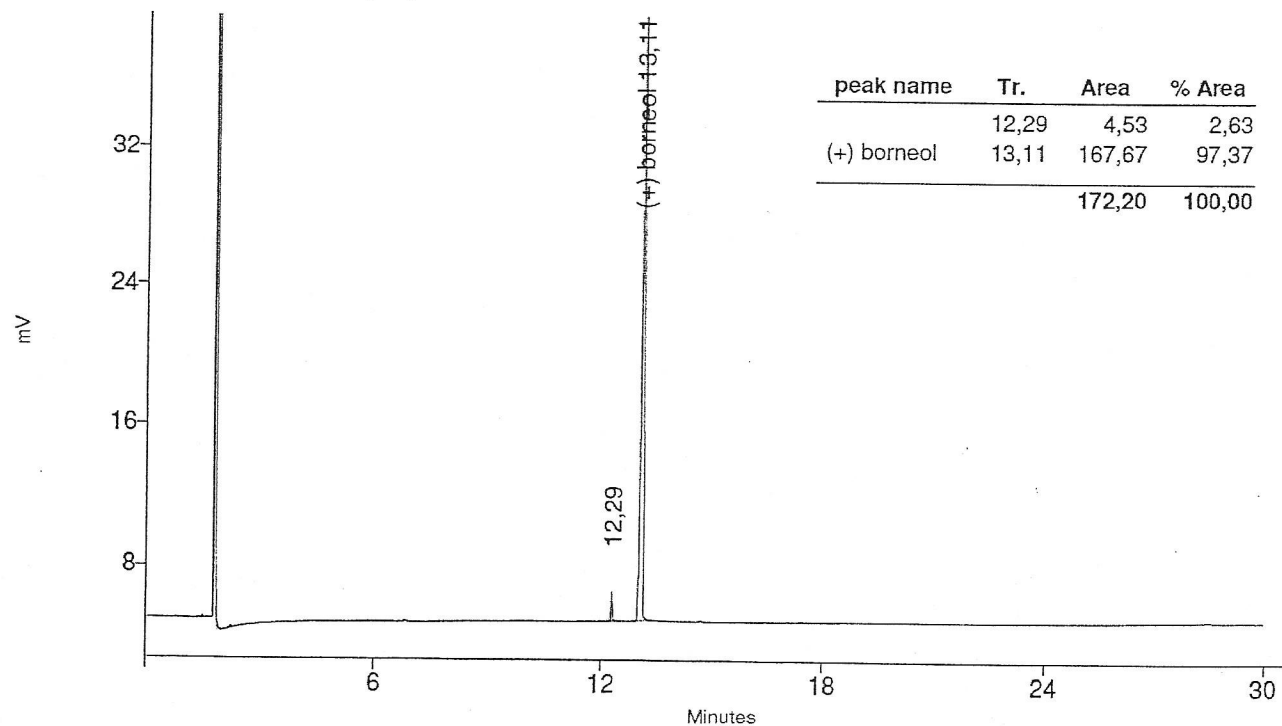
CAS Number	[464-43-7]
Molecular formula	C ₁₀ H ₁₈ O
Molecular weight	154.25

ANALYSIS

TEST	SPECIFICATION (<i>May 2010, version 02</i>)	RESULT
Appearance	White solid	Conform
[α] _D	_____	+35° c=5 in ethanol
Melting point	_____	208-209°C
Assay (GC)*	≥97% (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



Date of last QC-recheck: *January 2014*
Date of retest: *January 2018*

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

Storage

Flammable, Harmful -Store at +2/8°C.