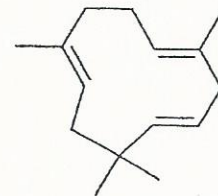




# INDOFINE Chemical Company, Inc.

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## Certificate Of Analysis

**025424S      alpha-HUMULENE      Lot No.: 17101218**

### IDENTIFICATION

CAS Number	[6753-98-6]
Molecular formula	C <sub>15</sub> H <sub>24</sub>
Molecular weight	204.36

### ANALYSIS

TEST	SPECIFICATION (June 2016, version 10)	RESULT
Appearance	Liquid	Conform
Moisture	_____	< 0.2 %
Assay (GC)	≥95%	Conform

### GC

Column	DB5 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	Helium 1 ml/min
Sample solvent	Isopropanol

Nom du pic	Tr.	Aire	% Aire
	14.44	2.70	0.15
	14.98	1.46	0.08
alpha humulene	15.31	1764.38	97.53
	15.40	9.45	0.52
	15.50	5.51	0.30
	15.64	14.73	0.81
	16.73	2.24	0.12
	18.62	7.59	0.42
	19.05	1.06	0.06
		1809.11	100.00

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

Storage  
Transport conditions

Store at <+8°C in a dry and dark place  
Ambient temperature