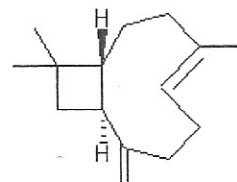




INDOFINE Chemical Company, Inc.

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Certificate Of Analysis

025014S

(-)-trans-CARYOPHYLLENE

Lot No.: 19012920

IDENTIFICATION

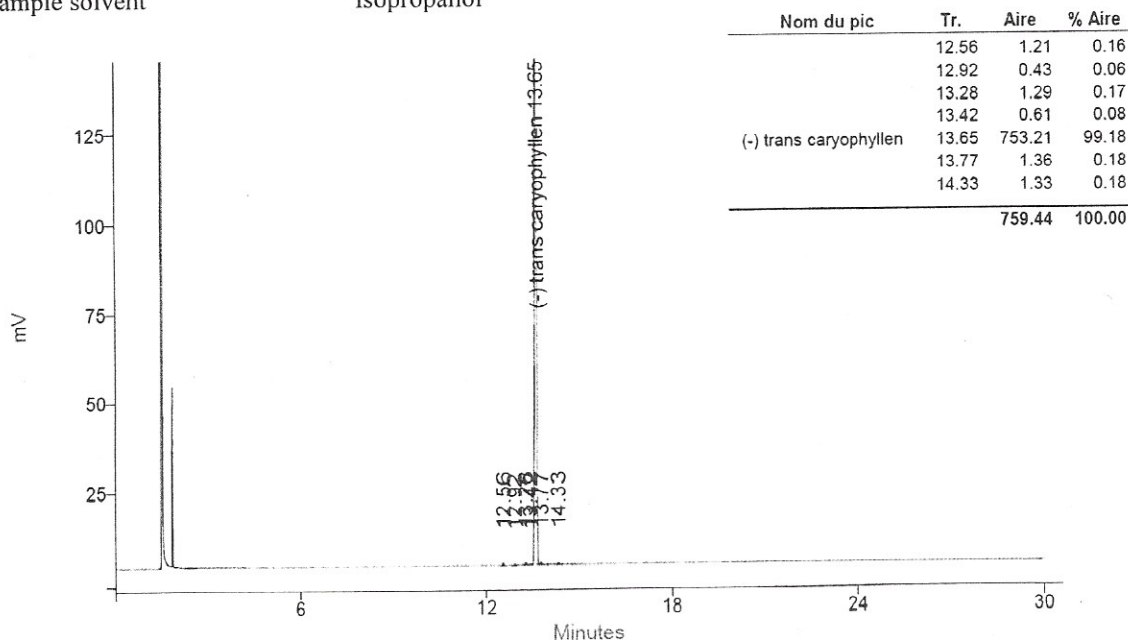
CAS Number	[87-44-5]
Molecular formula	C ₁₅ H ₂₄
Molecular weight	204.36

ANALYSIS

TEST	SPECIFICATION (June 2016, version 10)	RESULT
Appearance	Liquid	Liquid
[α] _D	_____	-9.4° in substance
Moisture	_____	< 0.2 %
Assay (GC)	≥98% (sum of enantiomers)	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 250°C
 Detector FID
 Carrier gas Helium 6 psi
 Sample solvent Isopropanol



Contains 1000ppm BHT as inhibitor

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

Storage Store at <+8°C.
 Transport conditions Ambient temperature