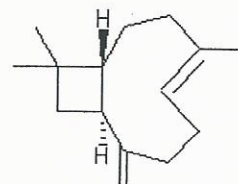




INDOFINE Chemical Company, Inc.

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GC ANALYSIS

025014S (-)-trans-CARYOPHYLLENE Lot Number: 16101918

IDENTIFICATION

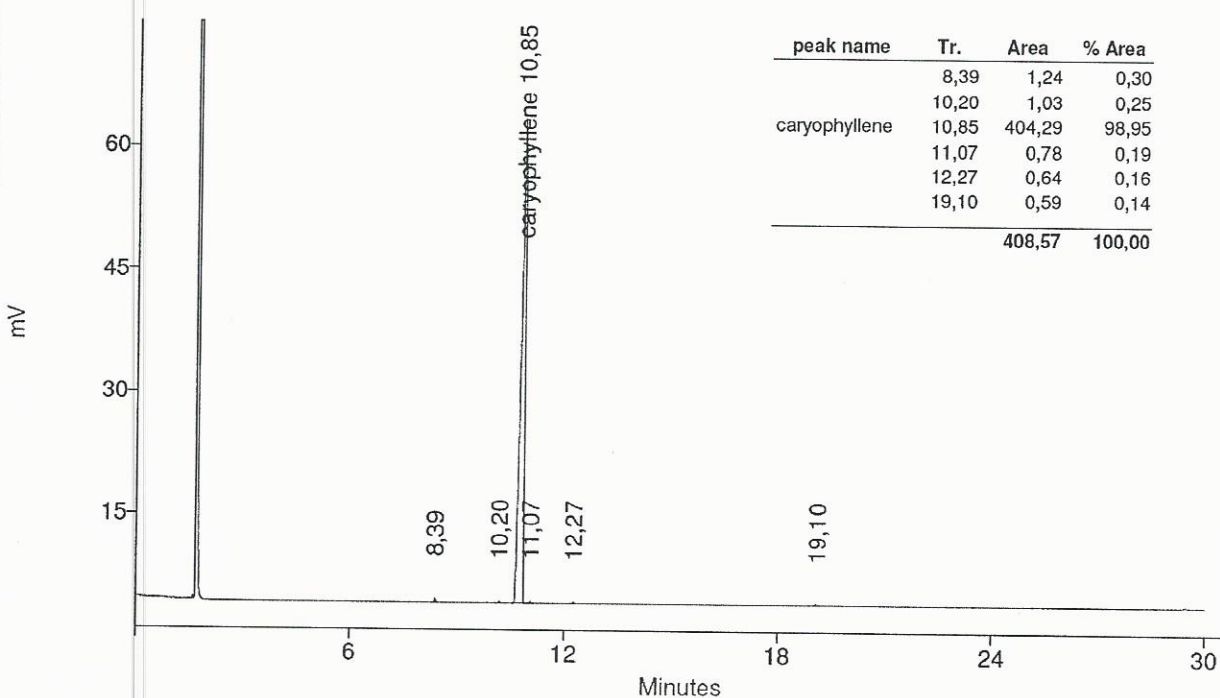
CAS Number	[87-44-5]
Molecular formula	C ₁₅ H ₂₄
Molecular weight	204.36

ANALYSIS

TEST	SPECIFICATION (May 2008, version 01)	RESULT
Appearance	Liquid	Liquid
[α] _D		-9.9° in substance
Assay (GC)	≥98% (sum of enantiomers)	Conform

GC

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



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

Storage

Store at +2/8°C.