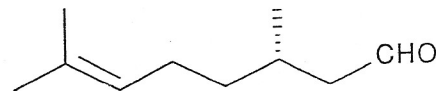




INDOFINE Chemical Company, Inc.

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Certificate Of Analysis

025017S**(-)-CITRONELLAL****BATCH: 10**

IDENTIFICATION

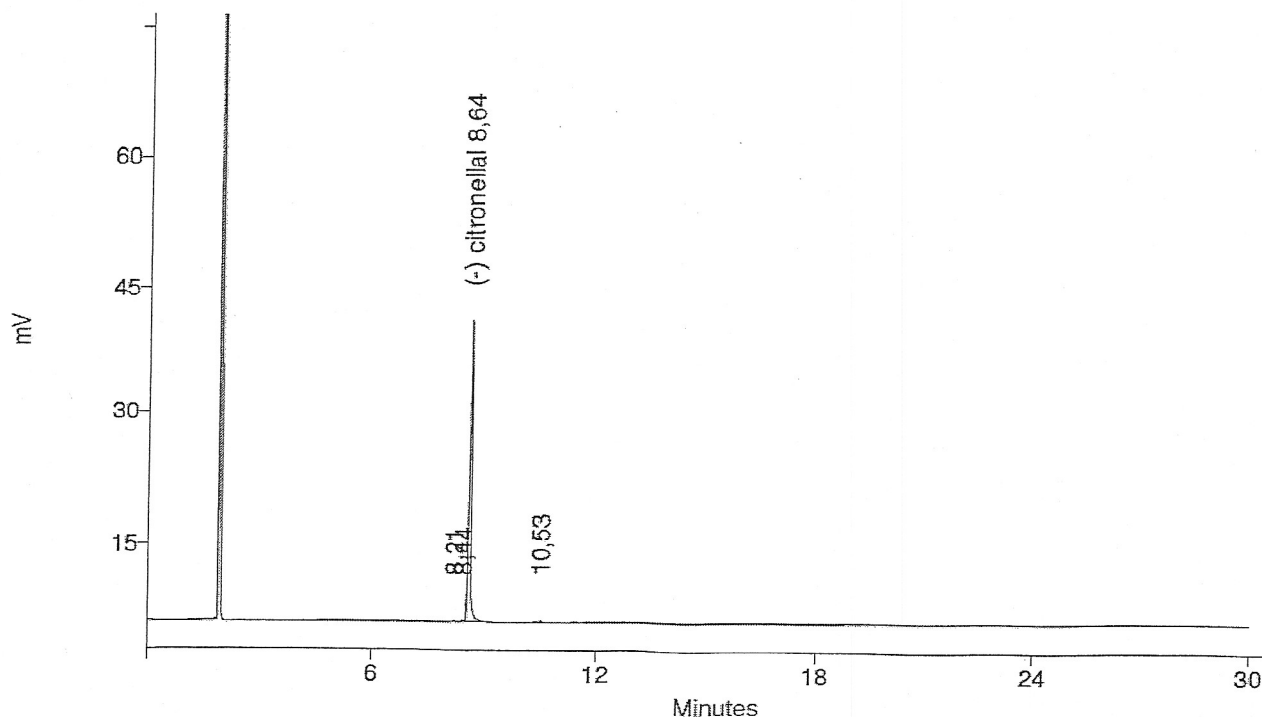
CAS Number	[5949-05-3]
Molecular formula	C ₁₀ H ₁₈ O
Molecular weight	154.25

ANALYSIS

TEST	SPECIFICATION (<i>September 2011, version 02</i>)	RESULT
Appearance	Liquid	Liquid
[α] _D	-(16 ± 3)° in substance	-15.7°
Assay (GC)	≥95% (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: May 2012

Date of retest: May 2016

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

Storage

Irritant. Store at +2/8°C.