



INDOFINE Chemical Company, Inc.

121 Stryker Lane, Bldg. 30, Suite 1 • Hillsborough, NJ 08844 • U.S.A.

Phone: (908) 359-6778 • FAX: (908) 359-1179

website: www.indofinechemical.com

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CERTIFICATE OF ANALYSIS

Catalog Number: 020531

Product Name: **6-METHYLCOUMARIN**
(Toncarine)

CAS Number: [92-48-8]

Lot Number: M34/42

Chemical Formula: C₁₀H₈O₂

Molecular Weight: 160.17

Melting Point: 73-75°C

Appearance: White powder

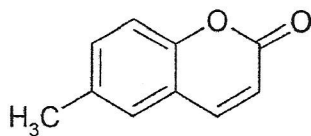
Solubility: Soluble in Chloroform

TLC: Hexane:Ethyl acetate [7:3]

NMR Spectrum: Enclosed (Confirms to the structure)

Storage: Cool dry place

Purity (HPLC): 99.30%





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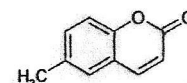
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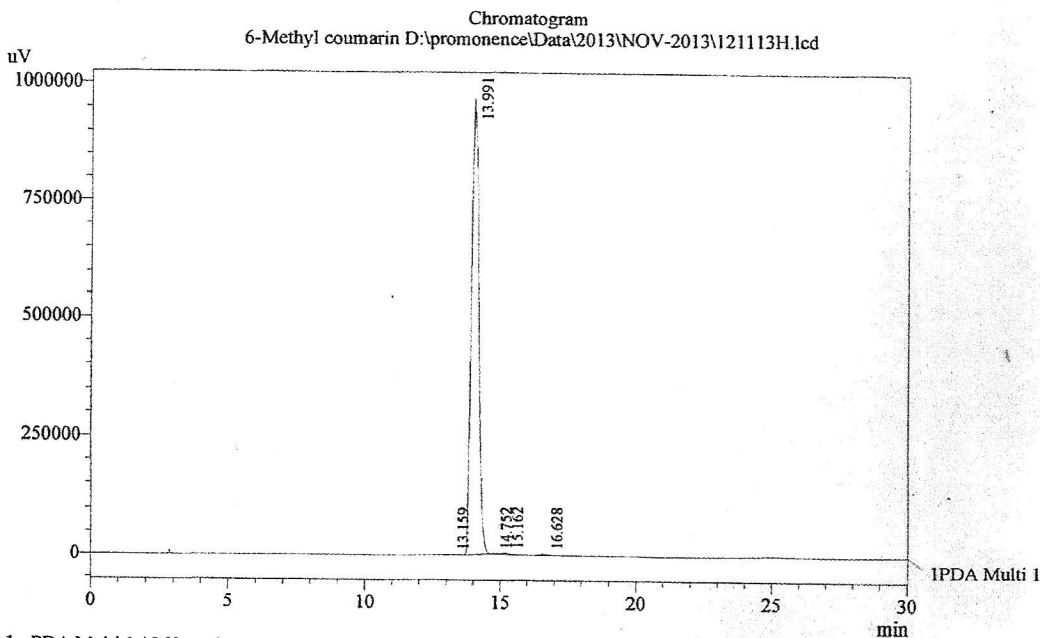
HPLC ANALYSIS

Acquired by : Sanjeev
Sample Name : 6-Methyl coumarin
Sample ID : Lot-No-M34/42
Injection Volume : 20 uL
Data Filename : 121113H.lcd
Method Filename : Linear Gradient.M.lcm

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Lot No.: M34/42



Column : LUNA C-18(2), (250mm x4.6mm 5.0μ)
Flow : 1.000 mL/min.
Mobile Phase : A(0.05% TFA in water) B(Acetonitrile)
0.01 90 10
12.0 10 90
20.0 10 90
23.0 90 10
30.0 90 10
Diluent : Acetonitrile



1 PDA Multi 1 / 260nm 4nm

PeakTable

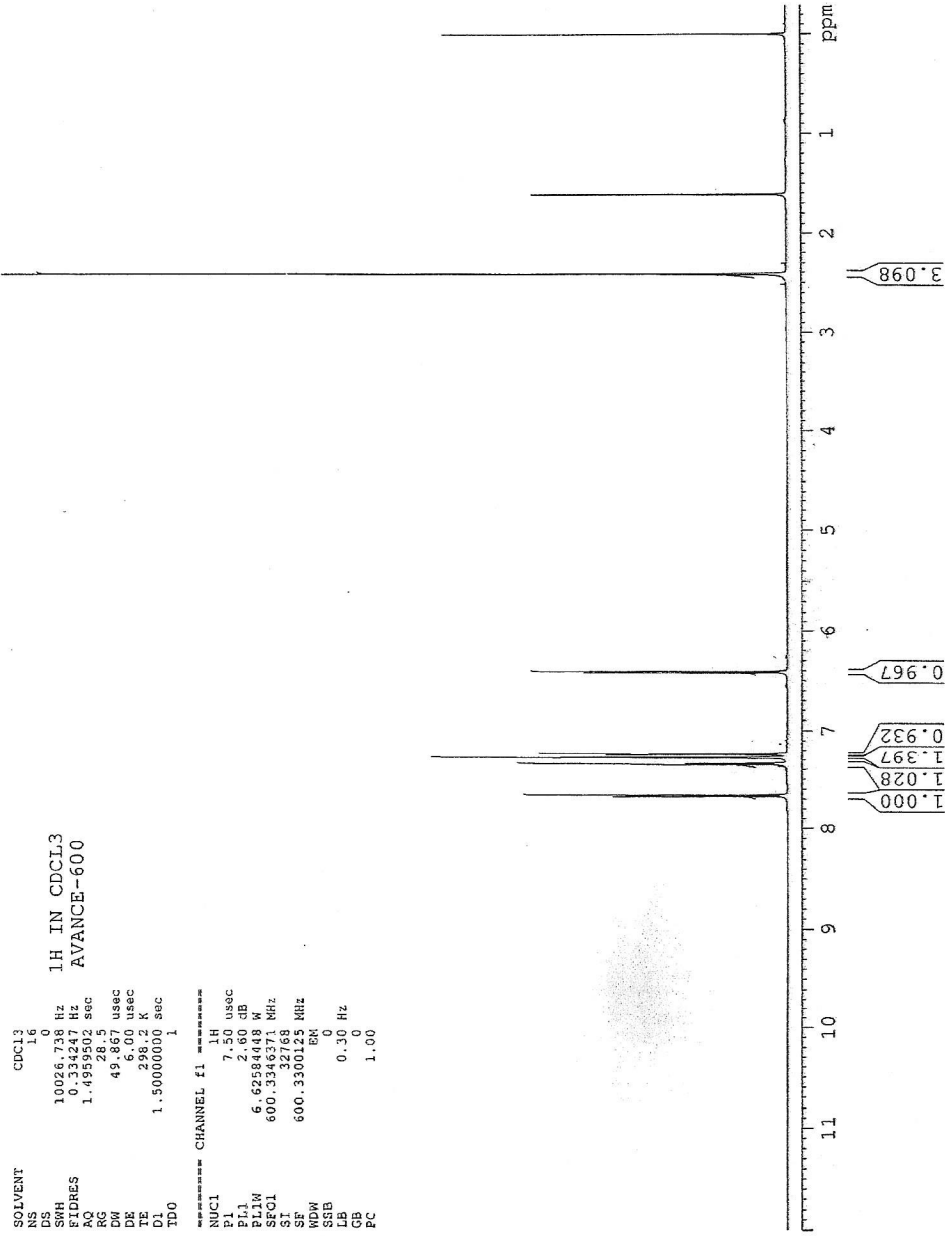
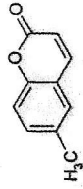
PDA Ch1 260nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:13.159	13.159	18431	0.10	0.94
2	6-Methyl coumarin	13.991	18811281	99.30	1.00
3	RT:14.752	14.752	4104	0.02	1.05
4	RT:15.162	15.162	51579	0.27	1.08
5	RT:16.628	16.628	58666	0.31	1.19
Total			18944061	100.00	



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