



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

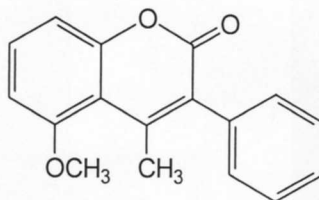
website: www.indofinechemical.com

e-mail: chemical@indofinechemical.com

CERTIFICATE OF ANALYSIS

CAT. No.: 19-409

<u>Product Name:</u>	5-METHOXY-4-METHYL- 3-PHENYLCOUMARIN
<u>Lot Number:</u>	0105067
<u>Chemical Formula:</u>	C ₁₇ H ₁₄ O ₃
<u>Molecular Weight:</u>	266.30
<u>Melting Point:</u>	164.5-167°C
<u>Appearance:</u>	Off white shining powder
<u>Solubility:</u>	Soluble in Chloroform
<u>T.L.C.</u>	Hexane:Ethyl acetate (7:3)
<u>Purity(HPLC):</u>	99.58%





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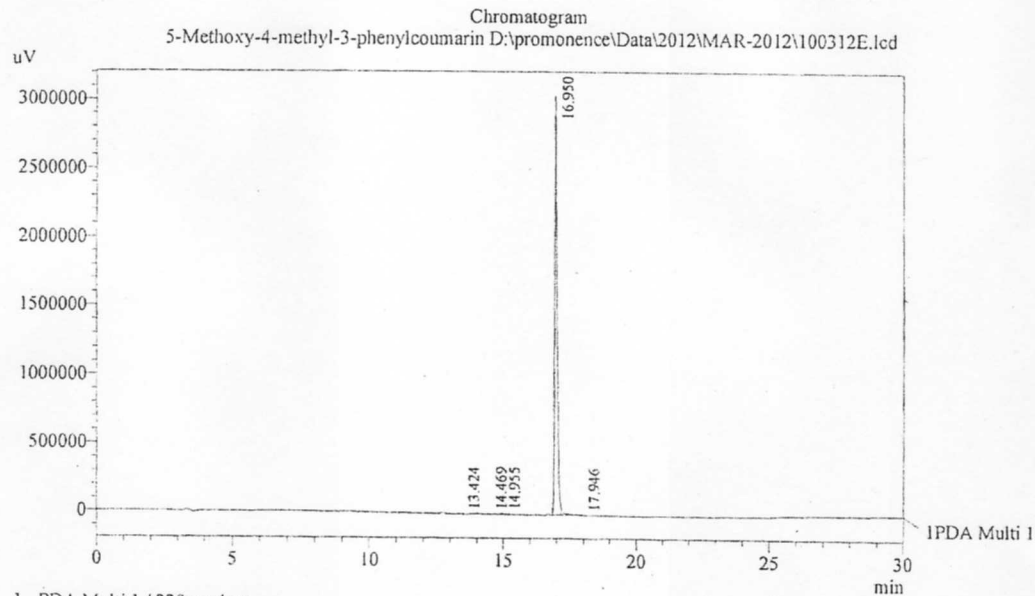
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HPLC ANALYSIS

Acquired by : Sanjeev
Sample Name : 5-Methoxy-4-methyl-3-phenylcoumarin
Sample ID : Lot No:-0105067
Injection Volume : 20 uL
Data Filename : 100312E.lcd
Method Filename : Linear Gradient.M.lcm

Catalog No.: 19-409
Product name: 5-Methoxy-4-methyl-3-phenylcoumarin
Lot No.: 0105067

Date Acquired : 3/10/2012 1:24:45 PM
Data Processed : 3/10/2012 2:27:56 PM
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
25.0 90 10
30.0 90 10



PDA Ch1 230nm 4nm

PeakTable

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:13.424	13.424	10414	0.05	0.79
2	RT:14.469	14.469	13960	0.07	0.85
3	RT:14.955	14.955	49834	0.25	0.88
4	RT:16.950	16.950	19792082	99.58	1.00
5	RT:17.946	17.946	9841	0.05	1.06
Total			19876131	100.00	



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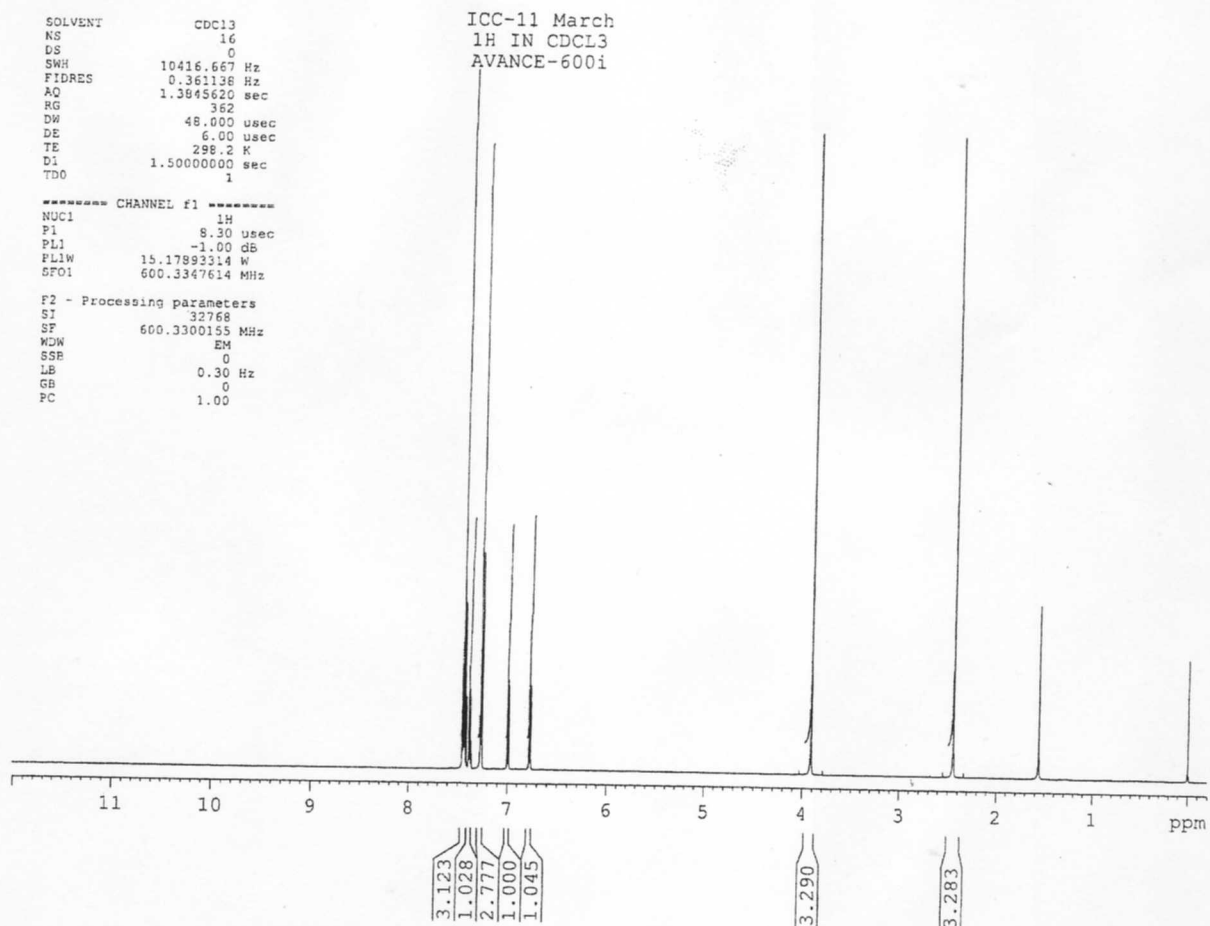
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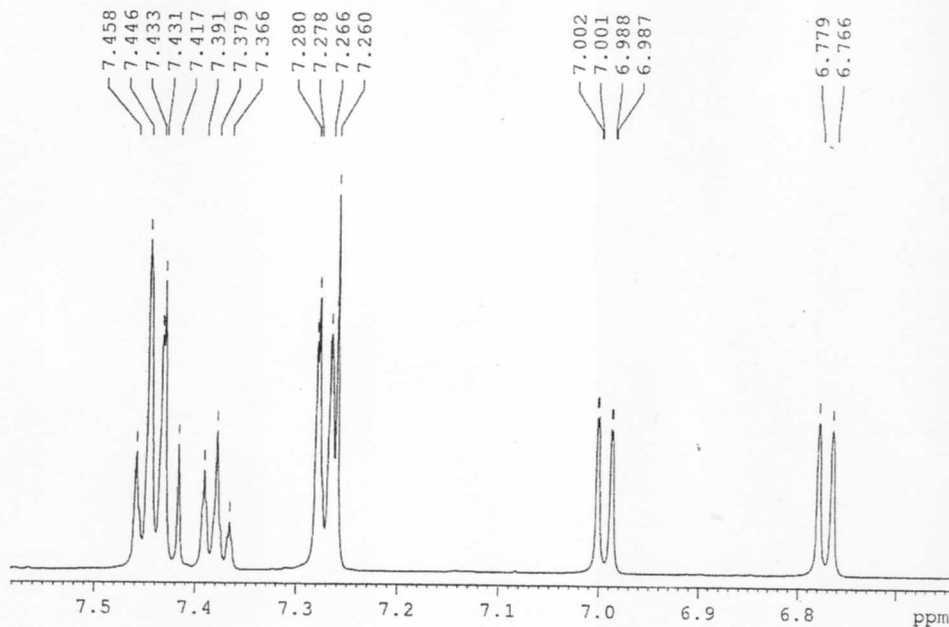
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Product name: 5-Methoxy-4-methyl-3-phenylcoumarin
Lot No.: 0105067

SOLVENT CDC13
NS 16
DS 0
SWH 10416.667 Hz
FIDRES 0.361138 Hz
AQ 1.3845620 sec
RG 362
DW 46.000 usec
DE 6.00 usec
TE 298.2 K
D1 1.5000000 sec
TDO 1

ICC-11 March
1H IN CDCL3
AVANCE-600i

----- CHANNEL f1 -----
NUC1 1H
P1 8.30 usec
PL1 -1.00 dB
PL1W 15.17893314 W
SFO1 600.3347614 MHz

F2 - Processing parameters
SI 32768
SF 600.3300155 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00





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Catalog No.: 19-409
Product name: 5-Methoxy-4-methyl-3-phenylcoumarin
Lot No.: 0105067

SOLVENT CDCL3
NS 16
DS 0
SWH 10416.667 Hz
FIDRES 0.361138 Hz
AQ 1.3845620 sec
RG 362
DW 48.000 usec
DE 6.00 usec
TE 298.2 K
D1 1.50000000 sec
TDC 1

ICC-11 March
1H IN CDCL3
AVANCE-600i

***** CHANNEL f1 *****
NUC1 1H
P1 8.30 usec
PL1 -1.00 dB
PL1W 15.17893314 W
SFC1 600.3347614 MHz

F2 - Processing parameters
SI 32768
SF 600.3300155 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

