



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

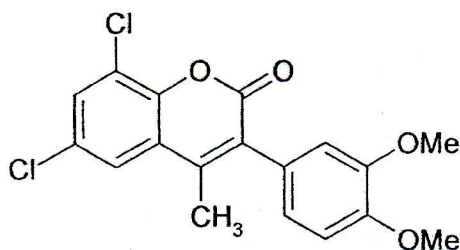
website: www.indofinechemical.com

e-mail: chemical@indofinechemical.com

CERTIFICATE OF ANALYSIS

Cat No.: 19-269

<u>Product:</u>	6,8-DICHLORO-3(3',4'-DIMETHOXYPHENYL)- 4-METHYLCOUMARIN
<u>Lot Number:</u>	000473
<u>Molecular Formula:</u>	C ₁₈ H ₁₄ Cl ₂ O ₄
<u>M.W.:</u>	365.22
<u>Melting Point:</u>	199-201°C
<u>Appearance:</u>	Light yellow powder
<u>Solubility:</u>	Soluble in Chloroform
<u>T.L.C.:</u>	Hexane:Ethyl acetate (7:3)
<u>Purity(HPLC):</u>	99.12%





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HPLC ANALYSIS

Catalog No.: 19-269

Product name: 6,8-Dichloro-3(3',4'-dimethoxyphenyl)-4-methylcoumarin

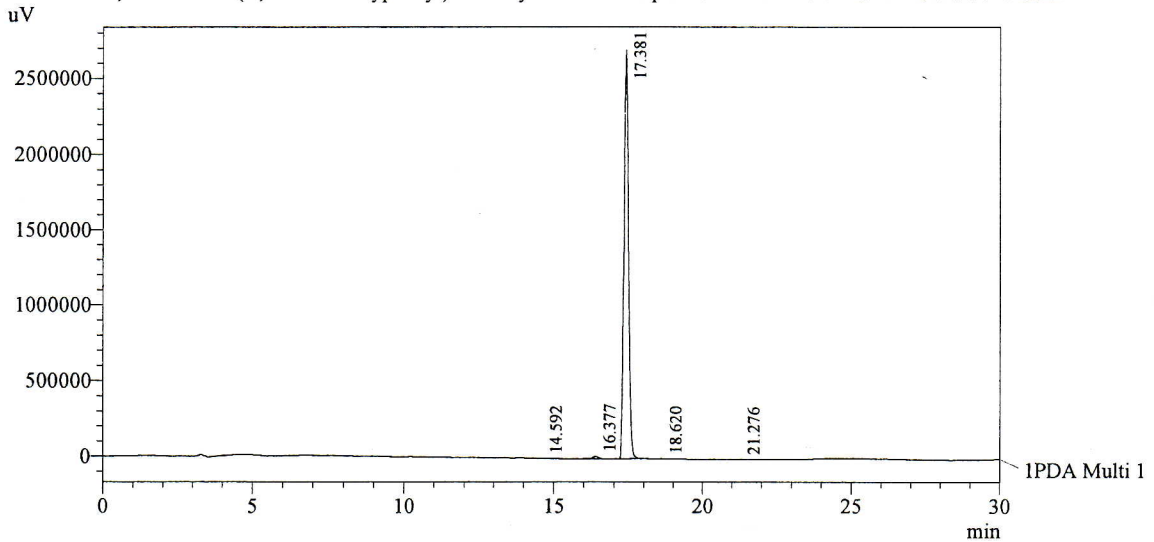
Lot No.: 000473

Acquired by : Sanjeev
Sample Name : 6,8-Dichloro-3(3',4'-dimethoxyphenyl)-4-methylcoumarin
Sample ID : Lot No:- 000473
Injection Volume : 20 uL
Data Filename : 110112L.lcd
Method Filename : Linear Gradient.M.lcm

Date Acquired : 1/11/2012 6:26:10 PM
Data Processed : 1/11/2012 7:48:12 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
25.0 10 90
28.0 90 10
30.0 90 10

Chromatogram

6,8-Dichloro-3(3',4'-dimethoxyphenyl)-4-methylcoumarin D:\promonence\Data\2012\JAN-2012\110112L.lcd



1 PDA Multi 1 / 230nm 4nm

PeakTable

PDA Ch1 230nm 4nm

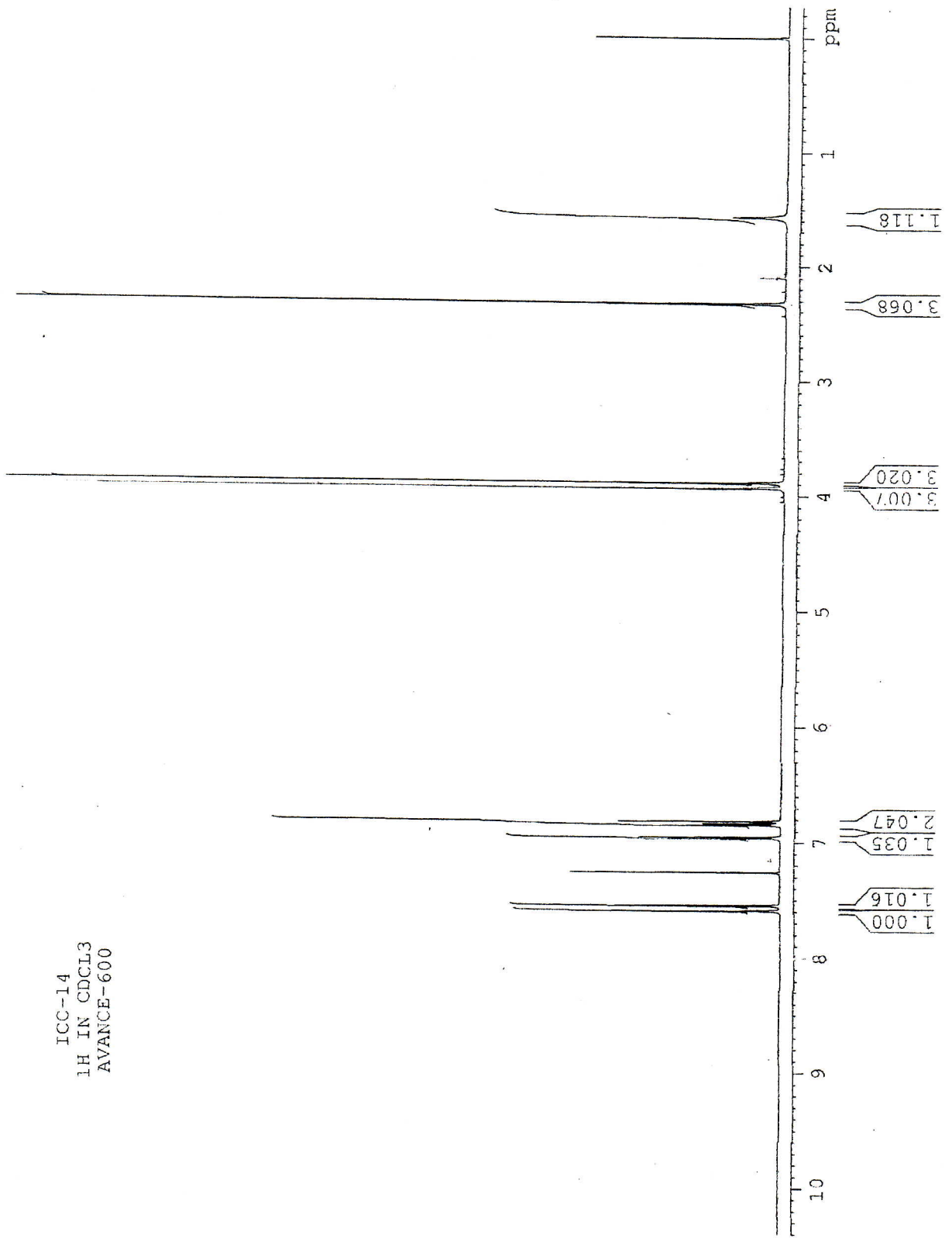
Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:14.592	14.592	22651	0.08	0.84
2	RT:16.377	16.377	193879	0.69	0.94
3	RT:17.381	17.381	27834513	99.12	1.00
4	RT:18.620	18.620	20951	0.07	1.07
5	RT:21.276	21.276	9096	0.03	1.22
Total			28081089	100.00	



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methylcoumarin
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ICC-14
1H IN CDCL3
AVANCE-600





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