



# 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

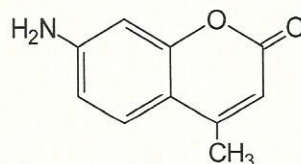
website: [www.indofinechemical.com](http://www.indofinechemical.com)

e-mail: [chemical@indofinechemical.com](mailto:chemical@indofinechemical.com)

## CERTIFICATE OF ANALYSIS

Cat No.: 020547

<u>Product:</u>	<b>7-AMINO-4-METHYLCOUMARIN</b>
<u>CAS No.:</u>	[26093-31-2]
<u>Lot Number:</u>	0906038
<u>Molecular Formula:</u>	C <sub>10</sub> H <sub>9</sub> NO <sub>2</sub>
<u>Molecular Weight:</u>	175.19
<u>Melting Point:</u>	227-229°C
<u>Appearance:</u>	Light Yellow powder
<u>Solubility:</u>	Clear solution in DMSO
<u>Purity:</u>	99.13%





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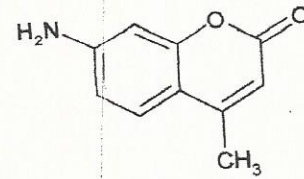
website: [www.indofinechemical.com](http://www.indofinechemical.com)

e-mail: [chemical@indofinechemical.com](mailto:chemical@indofinechemical.com)

Cat. No.: 020547  
Product: 7-Amino-4-methylcoumarin  
Lot No.: 0906038

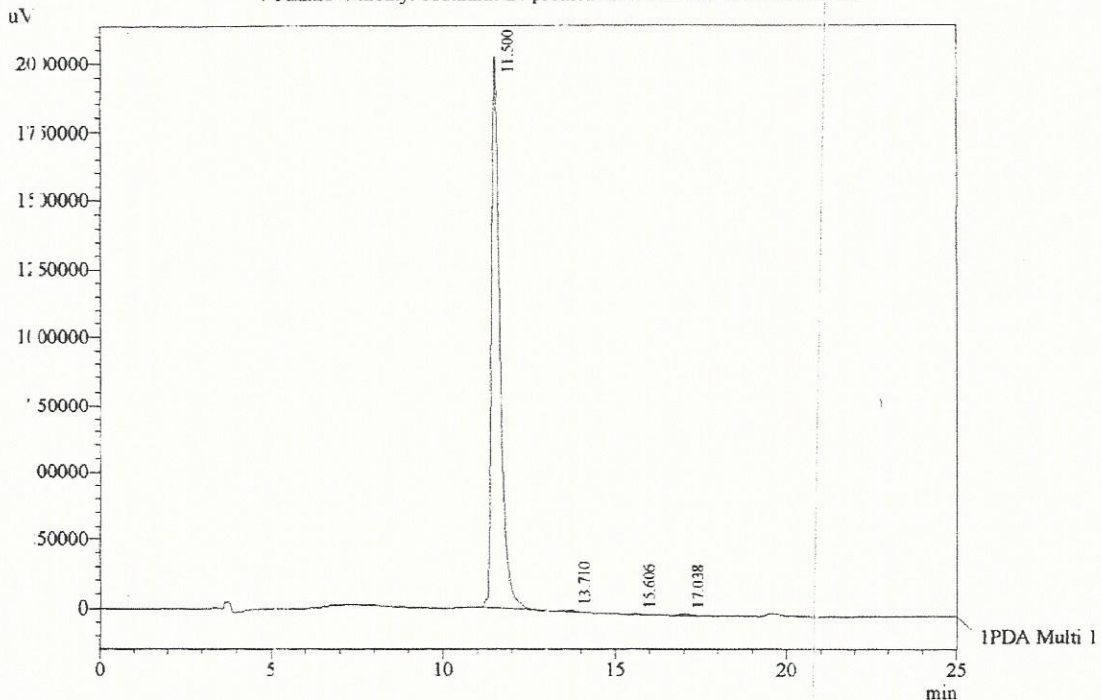
Date Acquired : 6/5/2009 2:17:09 PM  
Acquired by : Ramana  
Sample Name : 7-Amino-4-methyl coumarin  
Sample ID : 45 Kgs lot  
Injection Volume : 20 uL  
Data Filename : 050609D1.dcd  
Method Filename : Linear Gradient.M.lcm

Description:  
Column : Inertsil C-18, 250X4.6mm 5.0µm  
Flow : 1,000mL/min.  
Mobile Phase : A(Water:0.05% TFA) : B(ACN)  
00.01 : 90 : 10  
12.00 : 10 : 90  
20.00 : 10 : 90  
23.00 : 90 : 10



7-Amino-4-methyl coumarin

Chromatogram  
7-Amino-4-methyl coumarin D:\prmonence\2009\Jun-09\050609D1.dcd

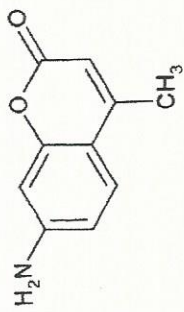


1 PDA Multi 1 / 230nm 4nm

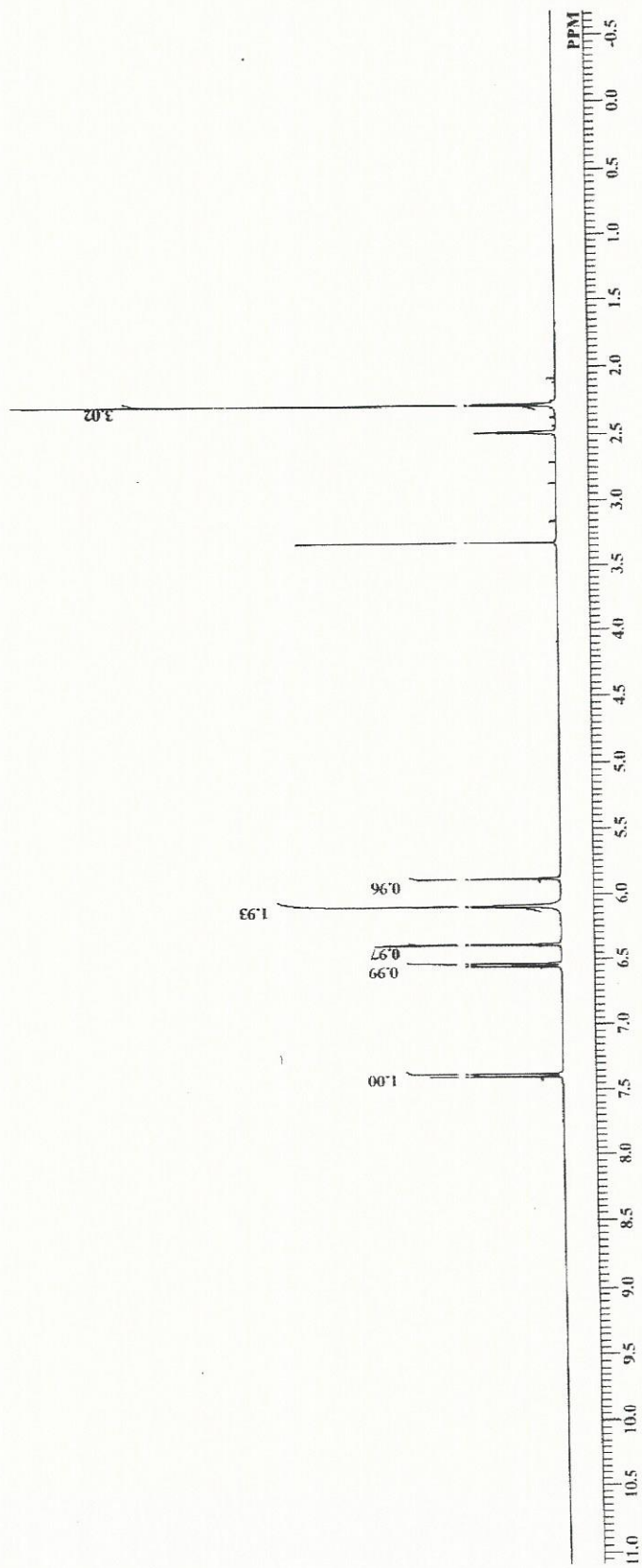
PeakTable  
Col 230nm 4nm

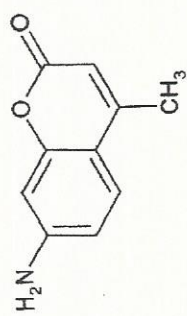
Peak#	Ret. Time	Area	Height	Area %
1	11.500	34609285	2021635	99.131
2	13.710	79308	4615	0.227
3	15.606	63029	4100	0.181
4	17.038	161053	6913	0.461
Total		34912676	2037263	100.000

1 HNMR DMSO-D6



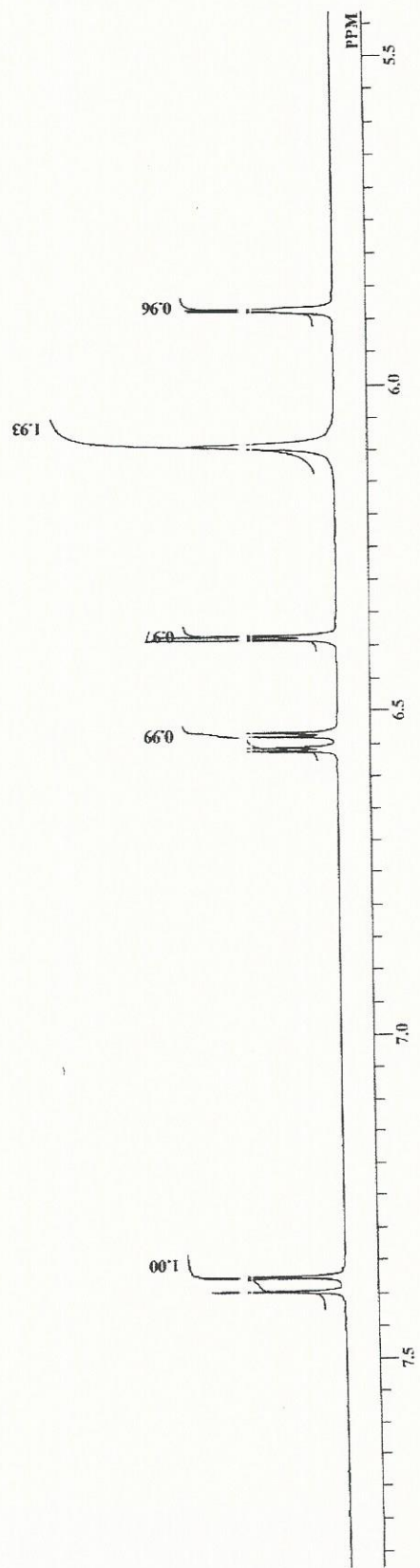
7-Amino-4-methyl coumarin

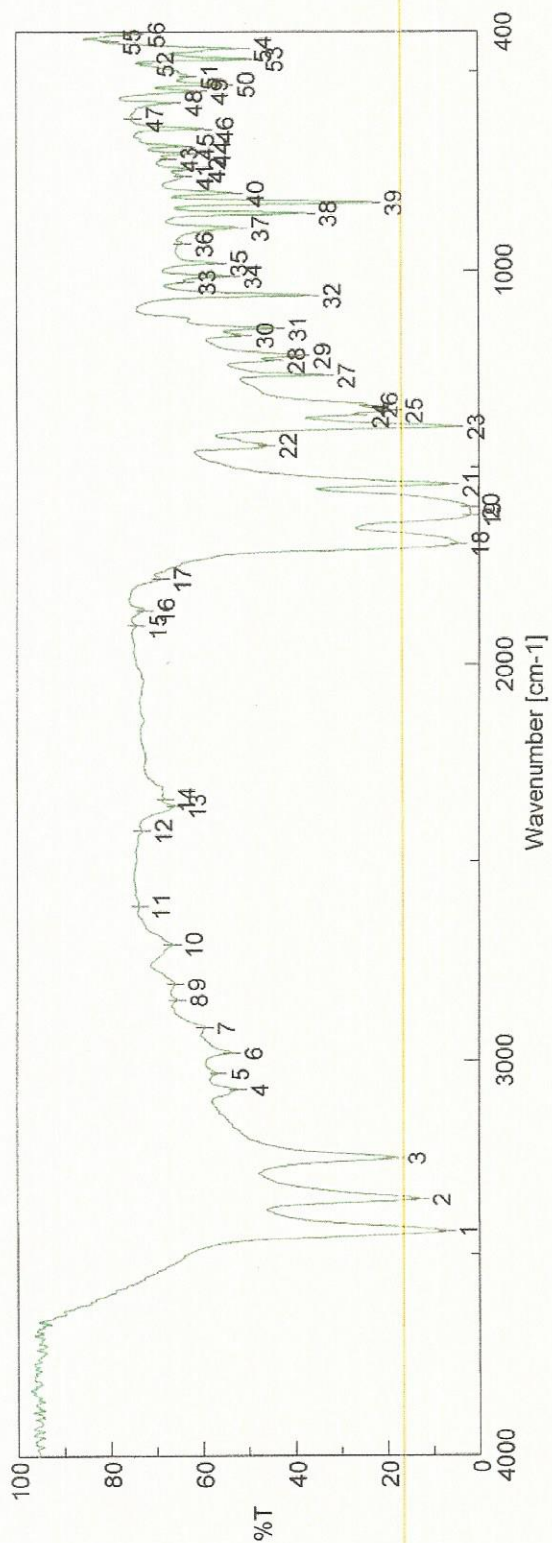




7-Amino-4-methyl coumarin

1 HNMR DMSO-D6





[Comment]

Sample Name COUMARIN-FINAL(050609B)

Comment IR  
 User GNAO  
 Division R&D  
 Company ---

[Data Information]

Creation Date 6/5/2009 12:45 PM  
 Data array type Linear data array  
 Horizontal Wavenumber [cm-1]  
 Vertical %T  
 Start 349.053 cm-1  
 End 7800.65 cm-1  
 Data pitch 0.964233 cm-1  
 Data points 7729

Result of Peak Picking				
No.	Position	Intensity	No.	
1	3440.39	7.188	2	3357.46
4	3076.87	52.1657	5	3034.44
7	2920.66	59.3169	8	2851.24
10	2717.21	66.4361	11	2617.89
13	2360.44	65.7306	14	2343.09
16	1864.83	72.4512	17	1786.72
19	1622.8	1.72779	20	1601.59
22	1445.39	45.9533	23	1397.17
25	1356.68	18.689	26	1341.25
28	1228.43	44.2425	29	1216.86
31	1148.4	43.9181	32	1063.55
34	1014.37	53.5427	35	980.625
37	893.844	51.9567	38	857.204
40	807.063	53.0147	41	765.601
43	720.282	67.2322	44	704.855
46	645.072	59.471	47	618.074
49	549.613	60.5734	50	533.221
52	480.188	72.2974	53	468.617
55	424.263	79.5679	56	405.942
3	3248.5	12.8182	30	2831
6	2982.37	56.4936	29	2831
9	2812.67	65.3443	27	27
12	2425.05	73.5648	26	246
15	1907.25	68.013	25	25
18	1698.02	68.8956	23	23
21	1544.7	2.19766	21	21
24	1367.28	5.38	18	18
27	1266.04	24.05	17	17
30	1165.76	38.6477	16	16
33	1026.84	36.462	15	15
36	932.414	56.5142	14	14
39	831.169	37.3581	13	13
42	747.281	63.9918	12	12
45	687.498	60.1064	11	11
48	579.504	74.7708	10	10
51	512.972	54.8501	9	9
54	442.583	48.784	8	8
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