



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

Catalog Number: 020547

Product Name: **7-AMINO-4-METHYLCOUMARIN**

Cas Number: [26093-31-2]

Lot Number: 98087

Chemical Formula: C₁₀H₉NO₂

Molecular Weight: 175.19

Melting Point: 224-227°C

Appearance: Cream Powder

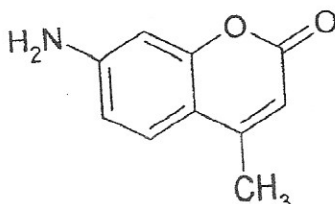
Solubility: Soluble in Chloroform

TLC: Chloroform:Methanol(9:1)

NMR Spectrum: Enclosed (Confirms to the structure)

Storage: Store in a cool, dry place

Purity(HPLC): 99.69%





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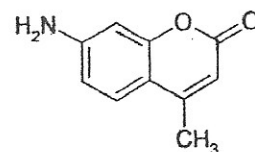
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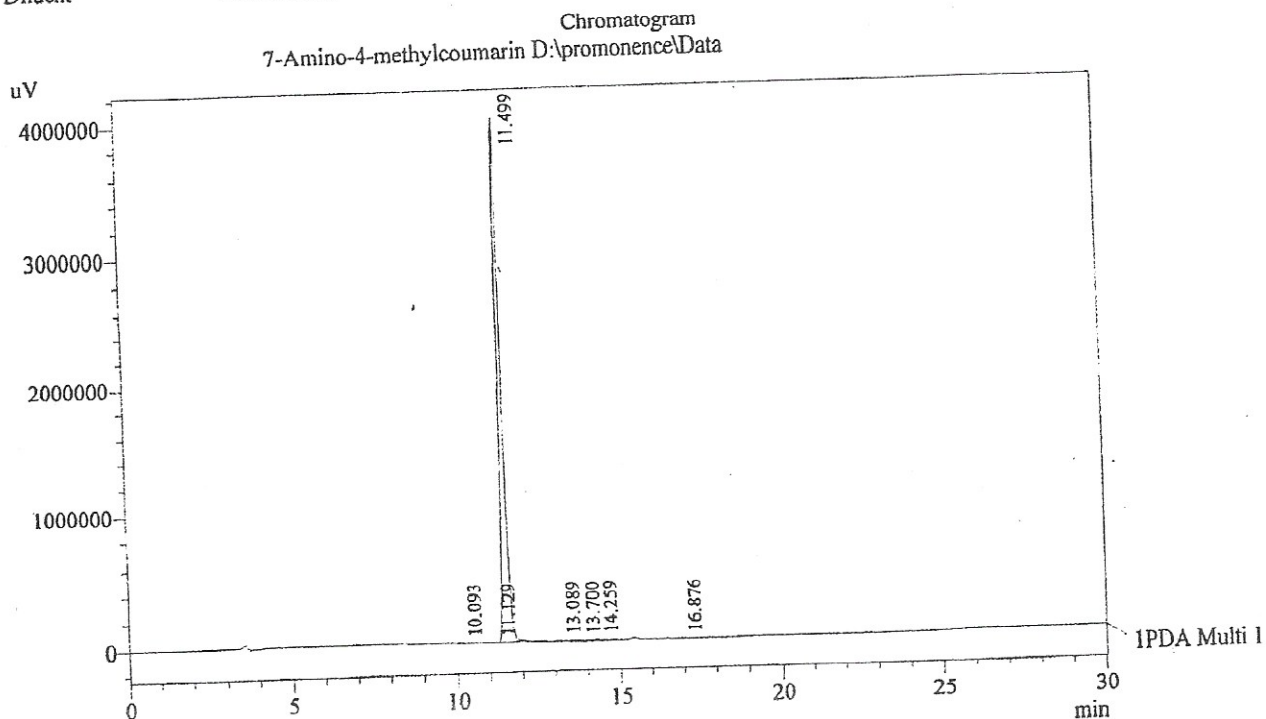
HPLC ANALYSIS

Acquired by : Sanjeev
Sample Name : 7-Amino-4-methylcoumarin
Sample ID : Lot No: 98087
Injection Volume : 20 uL
Data Filename : 1107131.lcd
Method Filename : Linear Gradient.M.lcm

Catalog No.: 020547
Product Name: 7-Amino-4-methylcoumarin
Lot No.: 98087



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 / 230nm 4nm

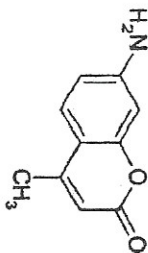
PeakTable

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:10.093	10.093	5804	0.02	0.88
2	RT:11.129	11.129	4593	0.01	0.97
3	7-Amino-4-methylcoumarin	11.499	33045166	99.69	1.00
4	RT:13.089	13.089	7152	0.02	1.14
5	RT:13.700	13.700	6364	0.02	1.19
6	RT:14.259	14.259	65500	0.20	1.24
7	RT:16.876	16.876	13619	0.04	1.47
Total			33148198	100.00	



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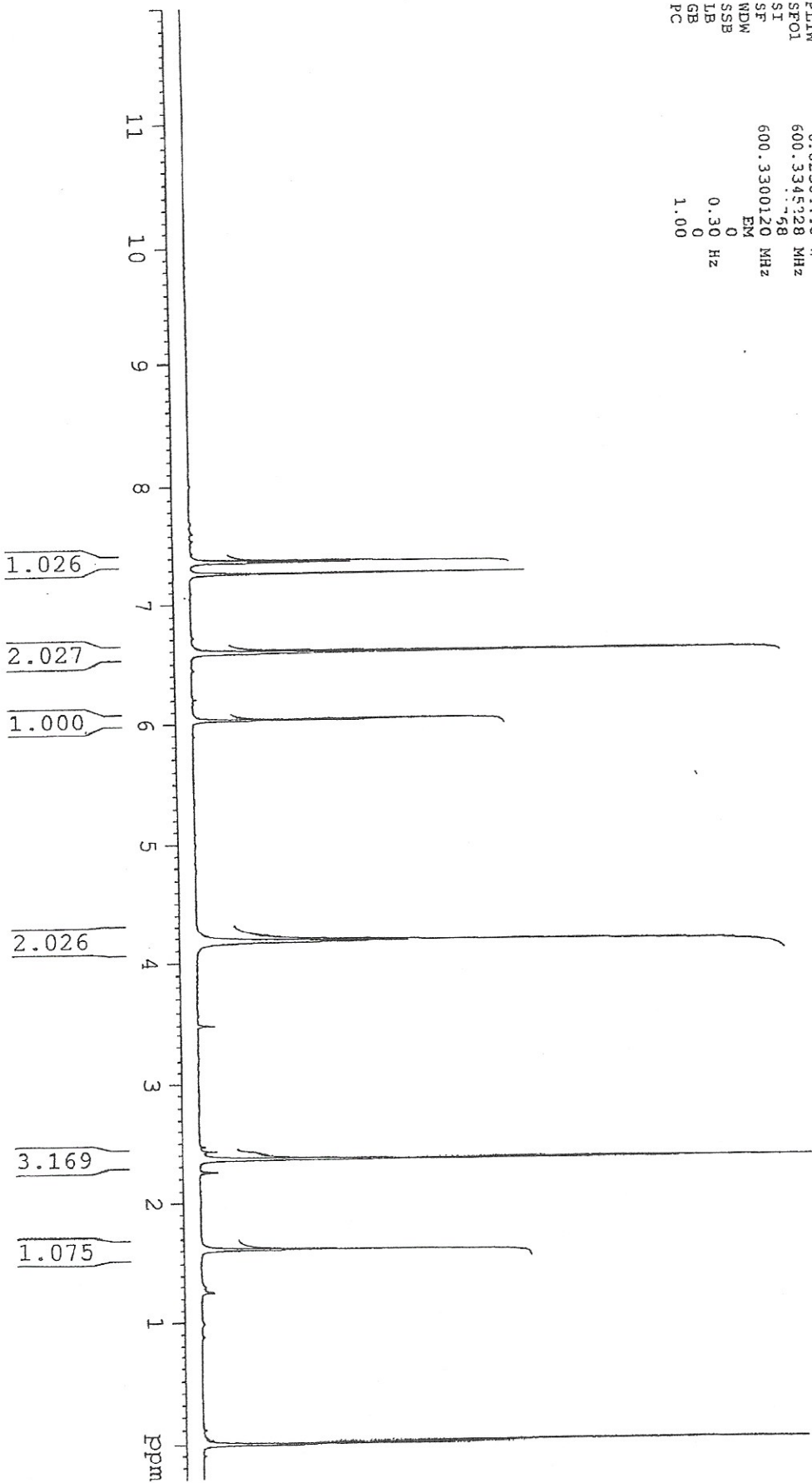
Catalog No.: 020547
Product Name: 7-Amino-4-methylcoumarin
Lot No.: 98087



SOLVENT CDCl₃
NS 16
DS 0
SMH 9803.922 Hz
FIDRES 0.326819 Hz
AQ 1.5299480 sec
RG 40.3
DM 51.000 usec
DE 6.00 usec
TE 298.2 K
D1 1.50000000 sec
TD0 1

1H IN CDCl₃
AVANCE-600

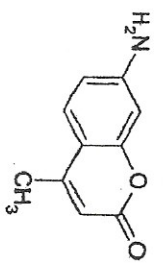
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NUC1 1H
P1 7.50 usec
P1L 2.60 dB
P1LW 6.62584448 W
SFO1 600.3345228 MHz
ST 1.768
SF 600.3300120 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00





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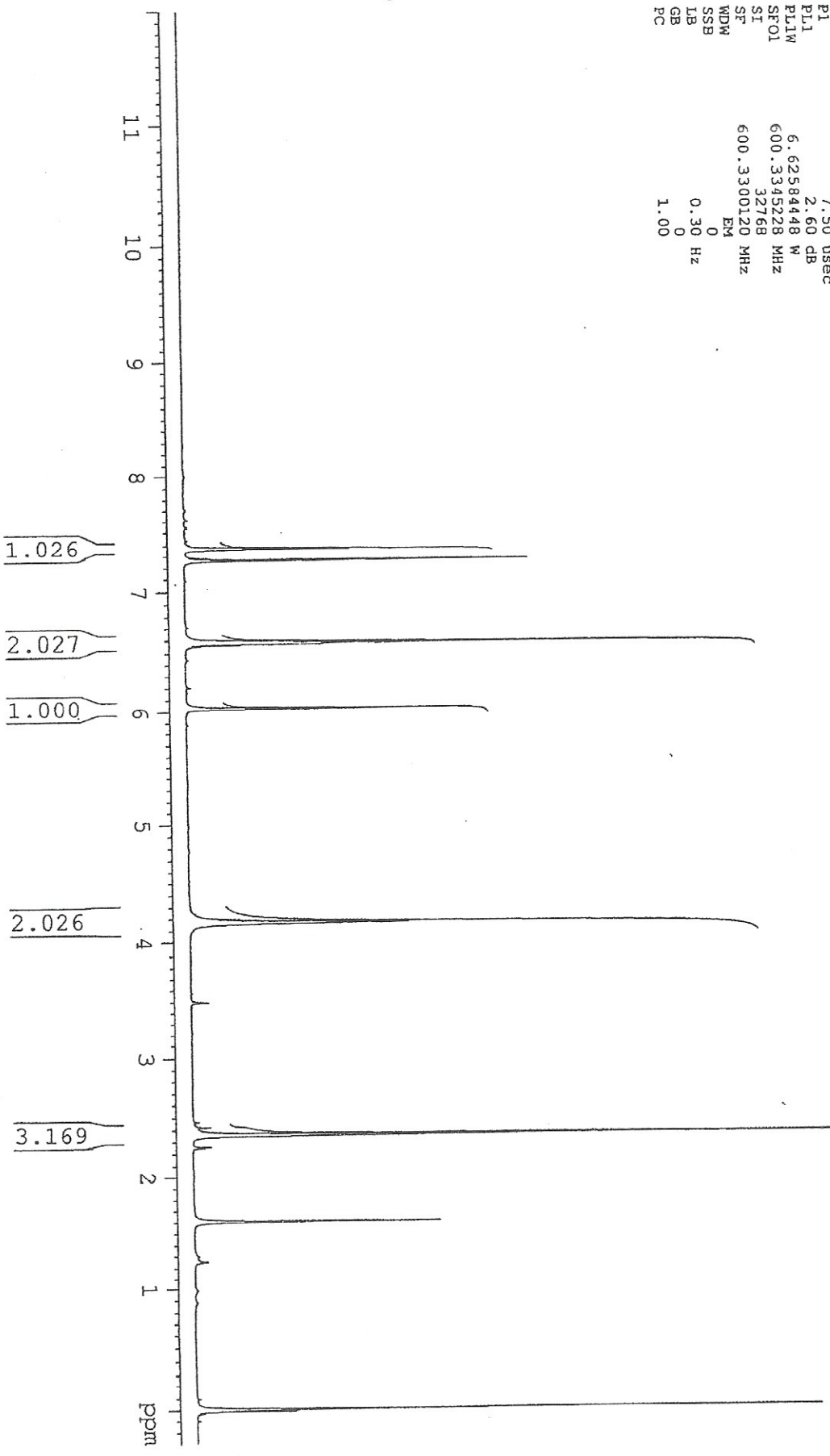
Catalog No.: 020547
 Product Name: 7-Amino-4-methylcoumarin
 Lot No.: 98087



SOLVENT CDCL3
 NS 16
 DS 0
 SMH 9803.922 Hz
 FIDRES 0.326819 Hz
 AQ 1.5299480 sec
 RG 40.3
 DW 51.000 usec
 DE 6.00 usec
 TE 298.2 K
 D1 1.50000000 sec
 TD0 1

1H IN CDCL3
 AVANCE-600

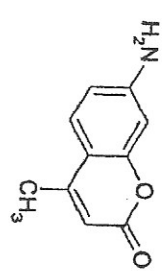
CHANNEL F1
 NUCL1 1H
 P1 7.50 usec
 PL1 2.60 dB
 PL1W 6.62584448 W
 SFO1 600.3345228 MHz
 SI 32768
 SF 600.3300120 MHz
 WDM EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00





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SOLVENT CDCl3
 NS 16
 DS 0
 SWH 9803.922 Hz
 FIDRES 0.326819 Hz
 AQ 1.5299480 sec
 RG 40.3
 DM 51.000 usec
 DE 6.00 usec
 TE 298.2 K
 D1 1.50000000 sec
 TD0 1

1H IN CDCl3
 AVANCE-600

===== CHANNEL F1 =====
 NUC1 1H
 P1 7.50 usec
 PL1 2.60 dB
 PL1W 6.62584448 W
 SF01 600.3345228 MHz
 SI 32768
 SF 600.3300120 MHz
 MDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

