



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: F-003

Product Name: **FLAVONE**
(2-Phenylchromone)

CAS Number: [525-82-6]

Lot Number: 0303020

Chemical Formula: C₁₅H₁₀O₂

Molecular Weight: 222.24

Melting Point: 91-94°C

Appearance: White powder

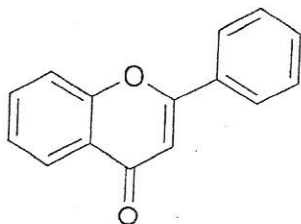
Solubility: Soluble in Chloroform

TLC: Hexane : Ethyl acetate (7:3)

NMR Spectrum: Enclosed (Confirms to the structure)

Storage: Cool dry place

Purity (HPLC): 99.70%





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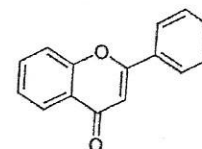
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HPLC ANALYSIS

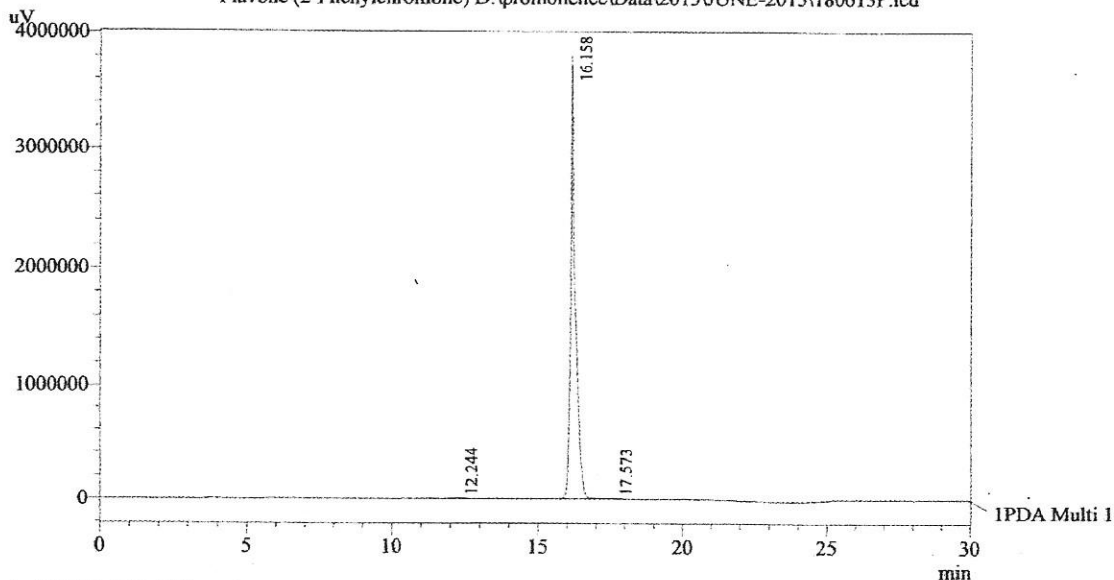
Acquired by : Sanjeev
Sample Name : Flavone (2-Phenylchromone)
Sample ID : Lot No:0303020
Injection Volume : 20 uL
Data Filename : 180613P.lcd
Method Filename : Linear Gradient.M.lcm

Catalog No.: F-003
Product Name: Flavone
Lot No.: 0303020



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

Chromatogram
Flavone (2-Phenylchromone) D:\promonence\Data\2013\JUNE-2013\180613P.lcd



1 PDA Multi 1 / 254nm 4nm

PeakTable

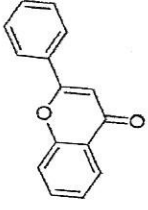
PDA Ch1 254nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:12.285	12.244	87759	0.21	0.76
2	Flavone	16.158	42647807	99.70	1.00
3	RT:17.570	17.573	40760	0.10	1.09
Total			42776326	100.00	



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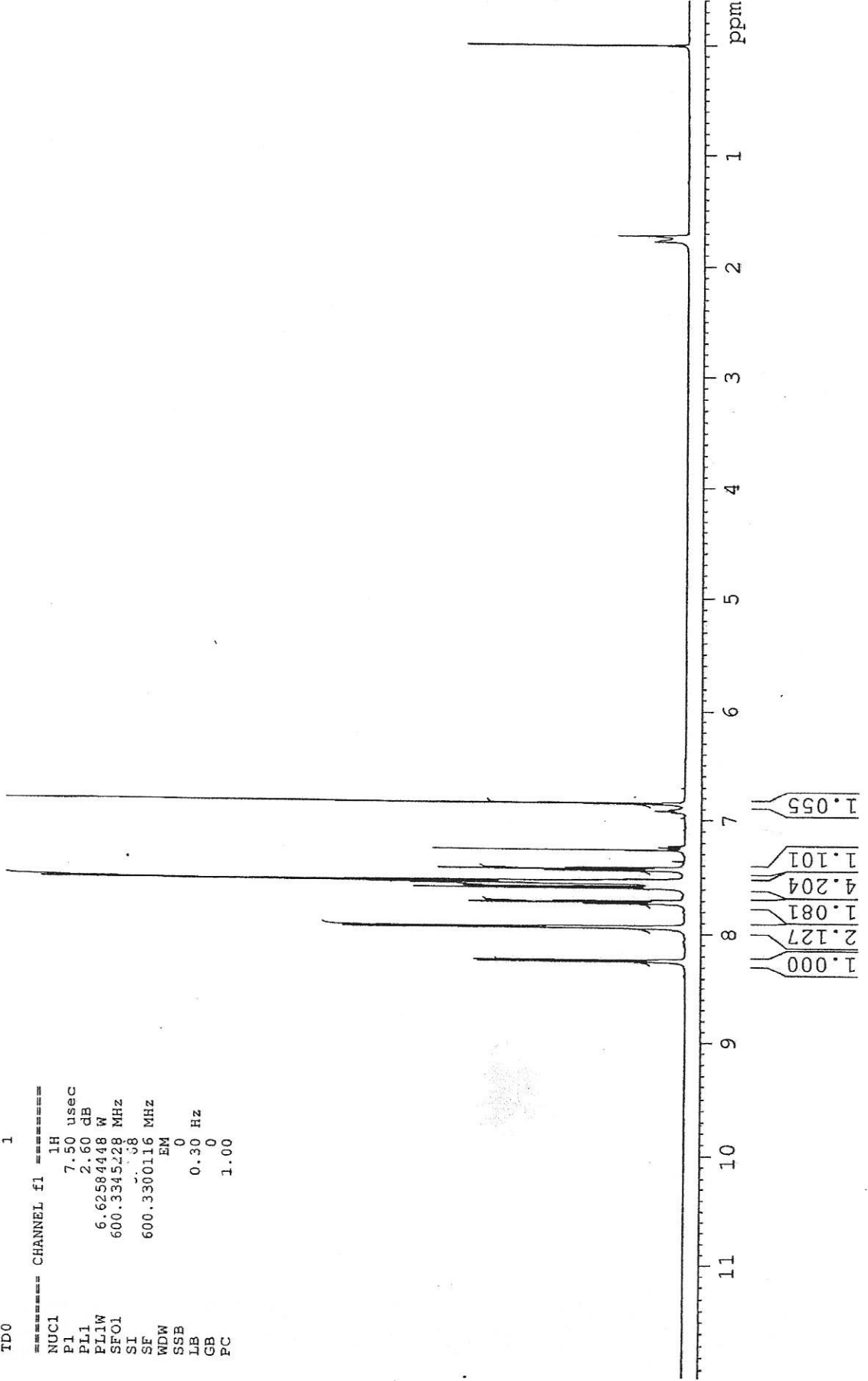
Catalog No.: F-003
 Product Name: Flavone
 Lot No.: 0303020



SOLVENT CDC13
 NS 16
 DS 0
 SWH 9803.922 Hz
 FIDRES 0.326819 Hz
 AQ 1.5299480 sec
 RG 18
 DW 51.000 usec
 DE 6.00 usec
 TE 298.2 K
 D1 1.50000000 sec
 TD0 1

1H IN CDCl3
 AVANCE-600

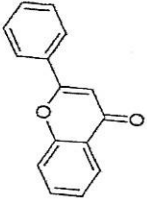
===== CHANNEL f1 =====
 NUC1 1H
 P1 7.50 usec
 PL1 2.60 dB
 PL1W 6.62584448 W
 SF01 600.3345228 MHz
 SI 38
 SF 600.3300116 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00





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 HILLSBOROUGH, NJ 08844

Catalog No.: F-003
 Product Name: Flavone
 Lot No.: 0303020



SOLVENT CDCL3
 NS 16
 DS 0
 SWH 9803.922 Hz
 FIDRES 0.326819 Hz
 AQ 1.5299480 sec
 RG 18
 DW 51.000 usec
 DE 6.00 usec
 TE 298.2 K
 D1 1.5000000 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 600.3300116 MHz
 WDW EM
 SSB 0
 LB 0
 GB 0
 PC 1.00

8.251
8.249
8.238
8.236

7.728
7.725
7.713
7.702
7.699

7.592
7.578
7.569
7.566
7.555
7.546
7.534
7.525
7.520

7.446
7.434
7.422
7.421

