

ICC **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: 1509667

Chemical Formula: C₁₅H₁₀O₂

Molecular Weight: 222.24

Melting Point: 98-99°C

Appearance: White powder

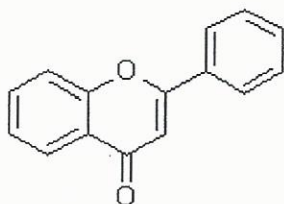
Solubility: Soluble in chloroform

TLC: Chloroform:Methanol (9:1)

NMR Spectrum: Enclosed (conforms to the structure)

Storage: Store in a cool, dry place. Protect from light.

Purity(HPLC): 99.81%





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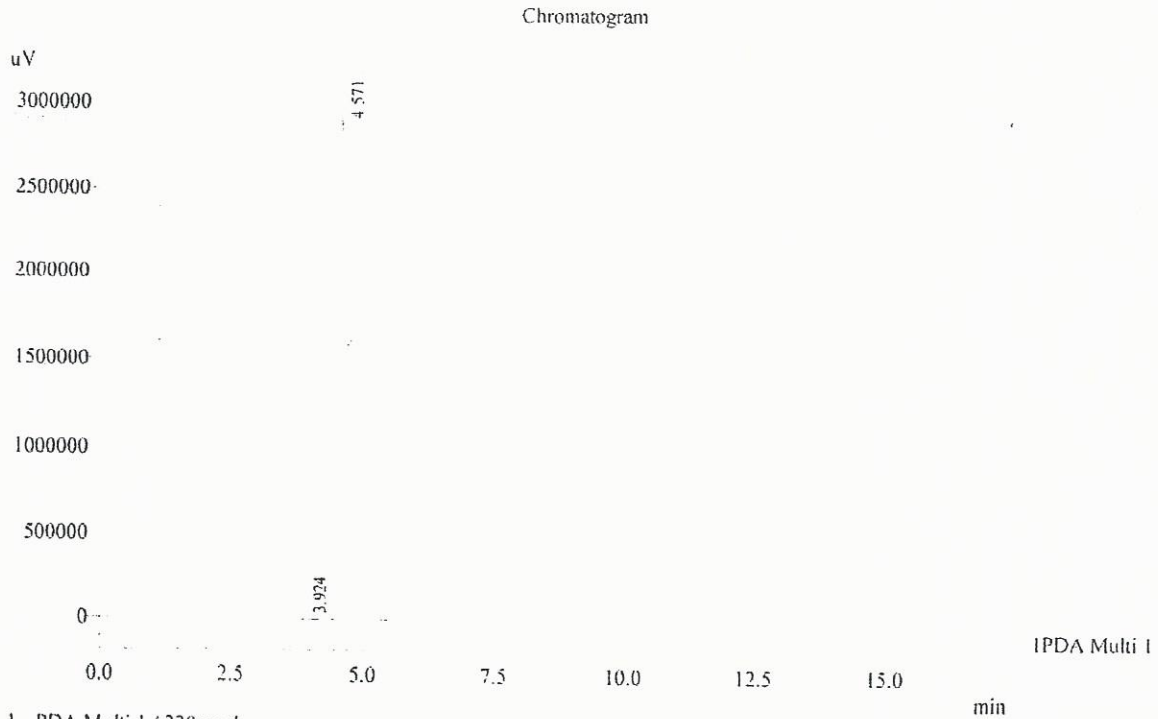
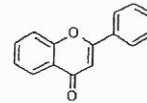
e-mail: chemical@indofinechemical.com

HPLC ANALYSIS

Acquired by : Admin
Sample Name : Flavone
Sample ID : Lot No:1509667
Injection Volume : 20 uL
Data Filename : 301015E.lcd
Method Filename : Linear Isocratic.M.lcm

Catalog No.: F-003
Product Name: Flavone
Lot No.: 1509667

Column : Gemini C-18(2), (250mm x4.6mm 5.0µ)
Flow : 1.000 mL/min.
Mobile Phase : A(20% of 0.05% TFA in water) B(80% of Acetonitrile)



PDA Ch1 230nm 4nm

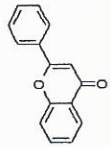
Peak Table

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:3.924	3.924	40065	0.19	0.86
2	Flavone	4.571	20666465	99.81	1.00
Total			20706531	100.00	



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 HILLSBOROUGH, NJ 08844

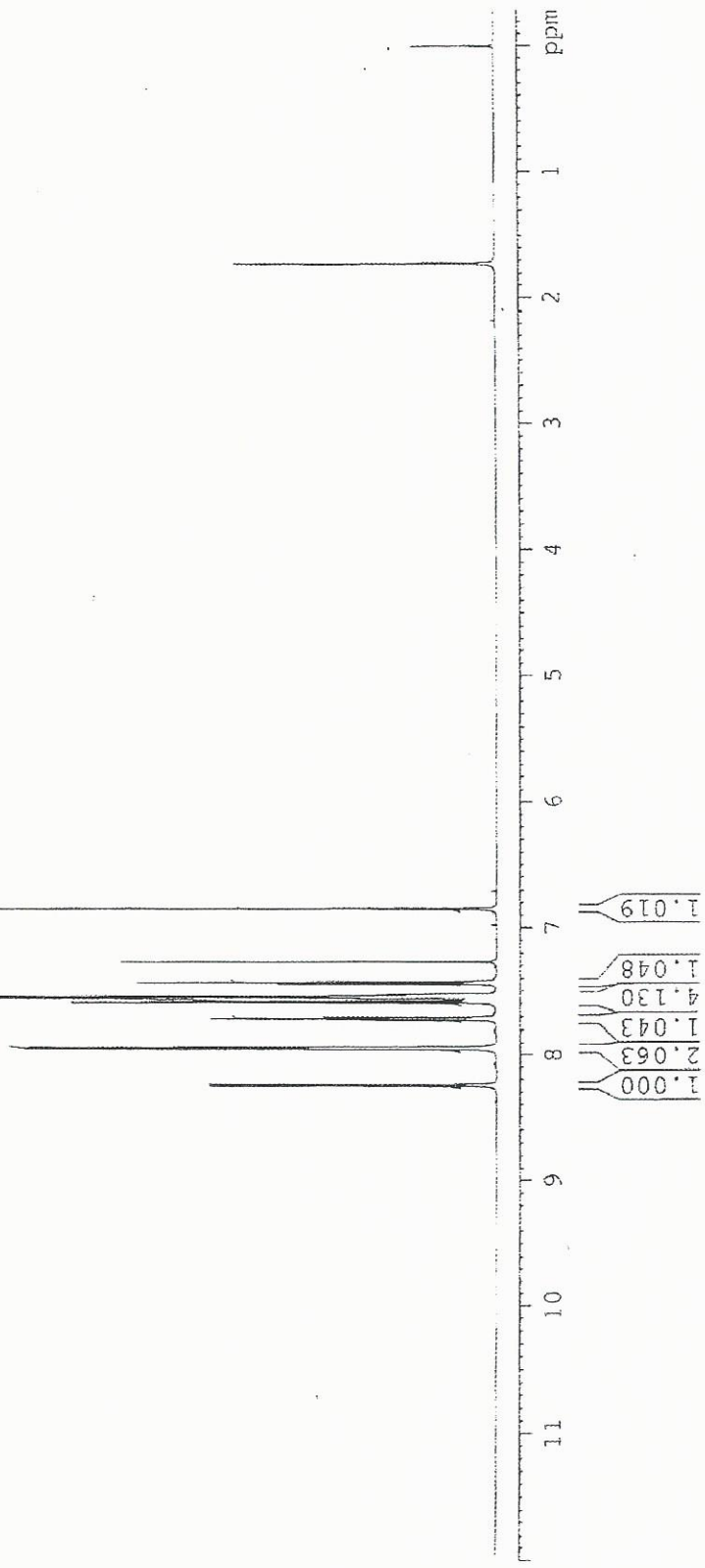
Catalog No.: F-003
 Product Name: Flavone
 Lot No.: 1509667



SOLVENT CDCL3
 NS 8
 DS 0
 SWH 11094.675 Hz
 FIDRES 0.333354 Hz
 AQ 1.4999588 sec
 RG 25.4
 DM 45.067 usec
 UE 6.00 usec
 TE 295.2 K
 O1 1.50000000 sec
 TSO 1

CHANNEL f1
 NUCL1 1H
 PI 7.50 usec
 PL1 2.57 dB
 PL1W 6.09128839 W
 SF01 600.3346550 MHz
 GI 32768
 SE 600.3300117 MHz
 WDW EM
 SSB 0
 LR 6.30 Hz
 GB 0
 PC 1.00

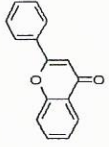
1H IN CDCL3
 AVANCE-600





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Catalog No.: F-003
 Product Name: Flavone
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SOLVENT CDCL3
 NS 0
 DS 0
 SWH 11094.675 Hz
 FTRES 0.333254 Hz
 AQ 1.4999588 sec
 PC 25.4
 DW 45.067 usec
 DE 6.00 usec
 TE 298.2 K
 W 1.50006000 sec
 T20 1

CHANNEL F1
 NUC1 1H
 P1 7.50 usec
 PL1 2.97 dB
 PD1W 6.09128809 W
 SF01 600.3346550 MHz
 SJ 22762
 SF 600.3300117 MHz
 MDW EM
 CSR 0
 SR 0
 GB 0
 PC 1.00

1H IN CDCL3
 AVANCE-600

