



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: D-001

Product Name: **FLAVANONE**
(2,3-Dihydroflavone)

CAS Number: [487-26-3]

Lot Number: 1509668

Chemical Formula: C₁₅H₁₂O₂

Molecular Weight: 224.26

Melting Point: 76-78°C

Appearance: White powder

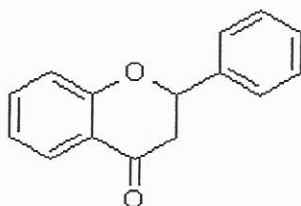
TLC: n-Hexane:Ethyl acetate (7:3)

Solubility: Soluble in Chloroform

NMR Spectrum: Enclosed (conforms to the structure)

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

Purity(HPLC): 99.93%





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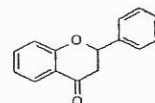
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HPLC ANALYSIS

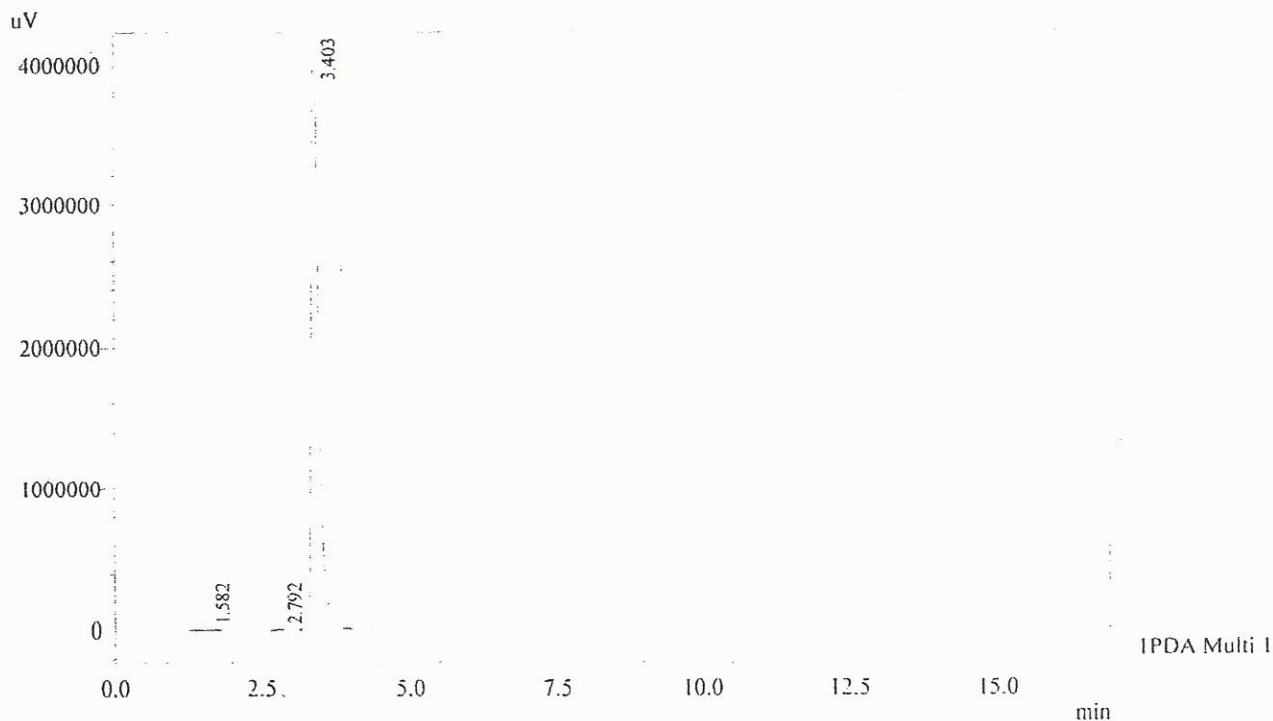
Acquired by : Admin
Sample Name : Flavanone
Sample ID : Lot No:150966
Injection Volume : 20 uL
Data Filename : 311015E.lcd
Method Filename : Linear Isocratic.M.lcm

Catalog No.: D-001
Product Name: Flavanone
Lot No.: 1509668



Column : Inertsil-ODS-3V. (250mm x4.6mm 5.0μ)
Flow : 1.000 mL/min.
Mobile Phase : A(50% of Methanol) B(50% of Acetonitrile)

Chromatogram



1 PDA Multi 1 / 220nm 4nm

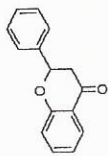
PeakTable

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:1.582	1.582	16048	0.05	0.46
2	RT:2.792	2.792	7319	0.02	0.82
3	FLAVANONE	3.403	34786004	99.93	1.00
Total			34809372	100.00	



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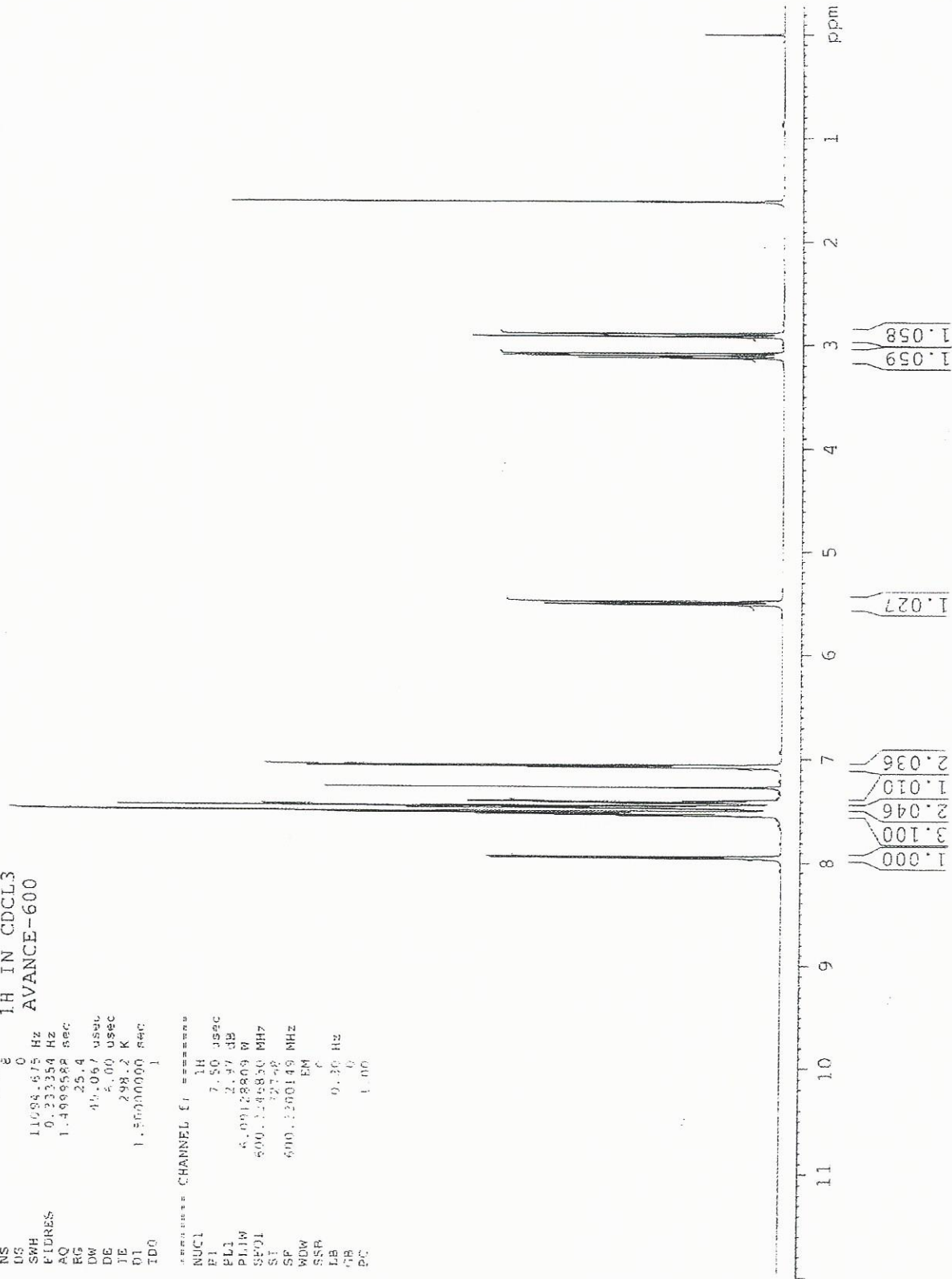
Catalog No.: D-001
Product Name: Flavanone
Lot No.: 1509668



SOLVENT CDCL3
NS 0
DS 0
SWH 11634.675 Hz
FIDRES 0.233354 Hz
AQ 1.4995582 sec
RG 25.4
DW 46.067 usec
DE 5.00 usec
TE 298.2 K
D1 1.5000000 sec
ID0 1

1H IN CDCL3
AVANCE-600

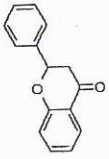
***** CHANNEL f1 *****
NUCL 1H
P1 7.50 usec
PL1 2.97 dB
PI1W 6.09128809 W
SFO1 600.1348850 MHz
SI 327.48
SP 600.1300149 MHz
WDW EM
SSA 0
LB 0.30 Hz
GB 0
PC 1.00





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 Lot No.: 1509668



SOLVENT CDCL3
 NS 0
 DS 0
 SMH 11094.675 Hz
 FIDRES 0.233354 Hz
 AQ 1.4999528 sec
 RG 25.4
 DW 45.057 usec
 DE 5.00 usec
 TE 298.2 K
 O1 1.5000000 sec
 TDC 1

===== CHANNEL #1 =====
 NUC1 1H
 P1 7.50 usec
 PL1 2.97 dB
 PULW 6.09128809 W
 SFO1 500.1345850 MHz
 ST 32762
 SF 500.13200143 MHz
 MW EM
 SSR C
 LR 0
 GB 0
 PC 1.00

