



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

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CERTIFICATE OF ANALYSIS

Catalog Number: M-404

Product Name: **2'-METHOXY-a-NAPHTHOFLAVONE**
(2'-Methoxy-7,8-benzoflavone)

Lot Number: 2MANF-389

Chemical Formula: C₂₀H₁₄O₃

Molecular Weight: 302.31

Melting Point: 163-165°C

Appearance: White powder

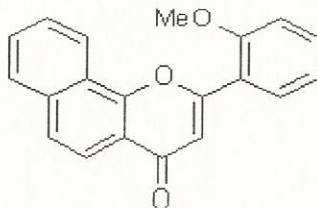
TLC: Hexane: Ethyl acetate (7:3)

Solubility: Soluble in chloroform

NMR Spectrum: Conforms to the structure

Storage: Store in a cool, dry place

Purity (HPLC): 99.61%



Prepared by:
Ramesh Mandadi
Ramesh Mandadi
Director of Operations

Reviewed and approved by:
Sujata Moton
S. Moton
VP



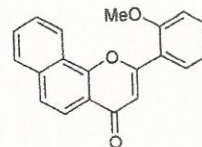
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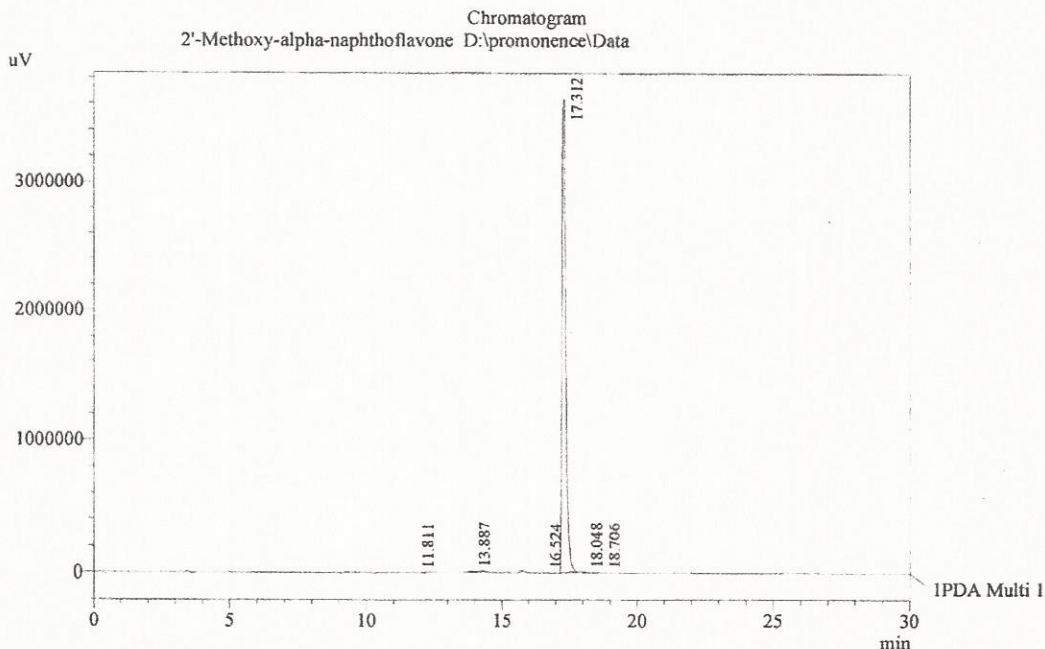
HPLC ANALYSIS

Acquired by : Sanjeev
Sample Name : 2'-Methoxy-alpha-naphthoflavone
Sample ID : Lot No: 2MANF-389
Injection Volume : 20 uL
Data Filename : 170514G.lcd
Method Filename : Linear Gradient.M.lcm

Catalog No.: M-404
Product Name: 2'-Methoxy- α -naphthoflavone
Lot No.: 2MANF-389



Column : Phenomenex Luna-C18 (250mm x4.6mm 5.0 μ)
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 / 254nm 4nm

PeakTable

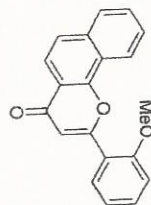
Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:11.811	11.811	32089	0.09	0.68
2	RT:13.887	13.887	63009	0.18	0.80
3	RT:16.524	16.524	6751	0.02	0.95
4	2'-OMe-alpha-naphthoflavone	17.312	34798129	99.61	1.00
5	RT:18.048	18.048	14603	0.04	1.04
6	RT:18.706	18.706	18752	0.05	1.08
Total			34933333	100.00	

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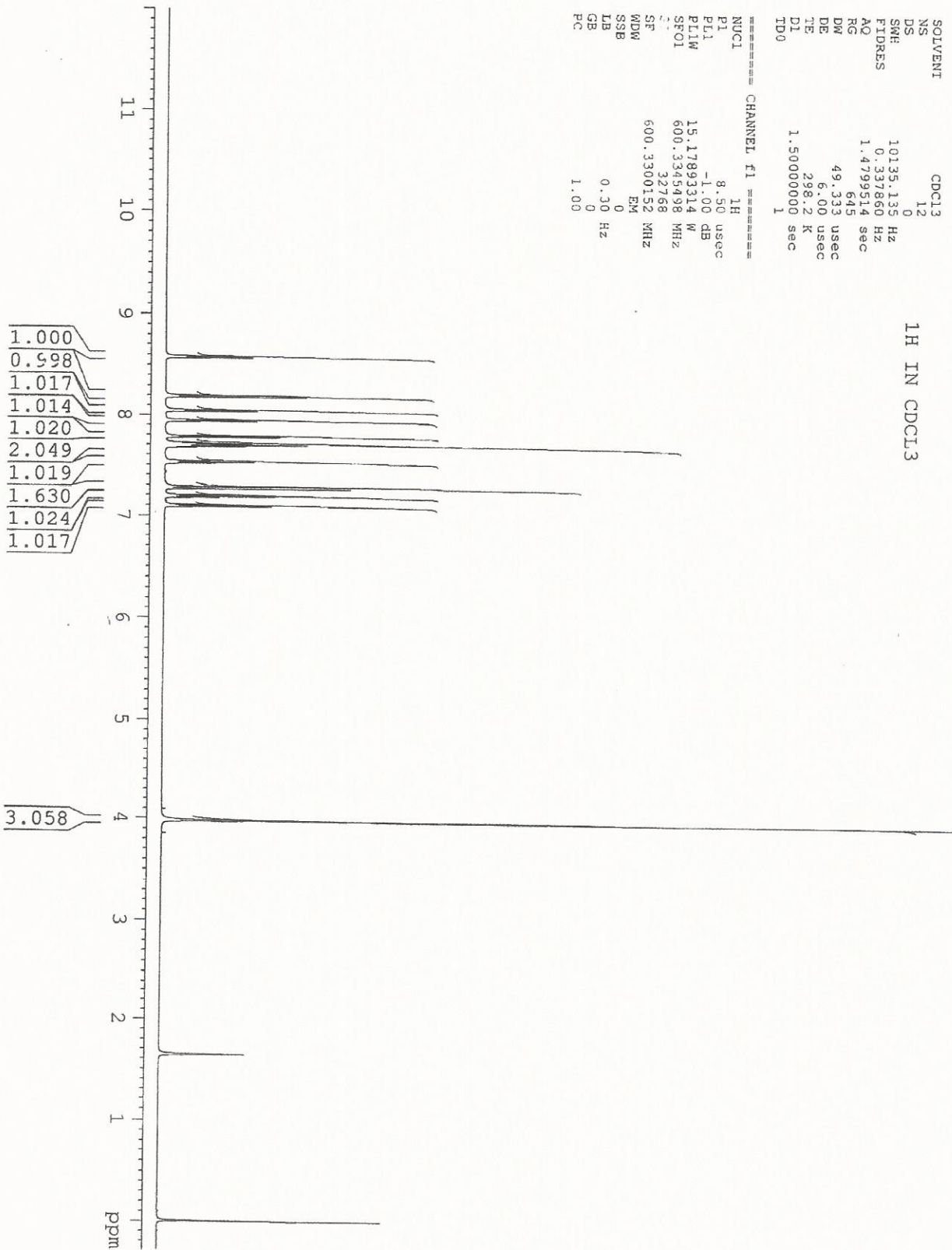
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Catalog No.: M-404
Product Name: 2-Methoxy- α -naphthoflavone
Lot No.: ZMANF-389

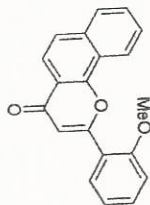
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NS 12
DS 0
SWE 10135.135 Hz
FIDRES 0.337860 Hz
AQ 1.4799514 sec
RG 645
DW 49.333 usec
DE 6.00 usec
TE 298.2 K
D1 1.50000000 sec
TD0 1

===== CHANNEL F1 =====
NUC1 1H
PI 8.50 usec
PL1 -1.00 dB
PL1W 15.17893314 W
SF01 600.3345498 MHz
SF 32768
MDW 600.3300152 MHz
SSB EM
LB 0
GB 0.30 Hz
PC 0
1.00





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Catalog No.: M-404
 Product Name: 2-Methoxy- α -naphthoflavone
 Lot No.: ZMANF-389

SOLVENT CDC13
 NS 12
 DS 0
 SMH 10135.135 Hz
 FIDRES 0.337860 Hz
 AQ 1.4799514 sec
 RG 645
 DW 49.333 usec
 DE 6.00 usec
 TE 298.2 K
 D1 1.50000000 sec
 TD0 1

===== CHANNEL f1 =====
 NUCL1 1H
 P1 8.50 usec
 PL1 -1.00 dB
 PL1W 15.17893314 W
 SFO1 600.3345498 MHz
 SI 32768
 SE 600.3300152 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

1H IN CDCL3

