



# 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](http://www.indofinechemical.com)

e-mail: [chemical@indofinechemical.com](mailto:chemical@indofinechemical.com)

## CERTIFICATE OF ANALYSIS

Catalog Number: B-003

Product Name: **7,8-BENZOFLAVONE**  
( $\alpha$ -Naphthoflavone)

Cas Number: [604-59-1]

Lot Number: 0905028

Chemical Formula:  $C_{19}H_{12}O_2$

Molecular Weight: 272.30

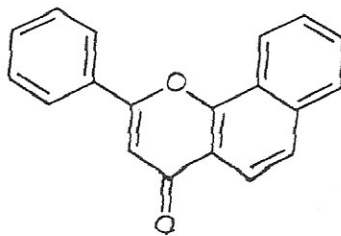
Melting Point: 156.5-158.5°C

Appearance: Off white powder

Solubility: Soluble in chloroform or acetone

Storage: Store in a cool, dry place

Purity (HPLC): 99.38%



Prepared by:  
Ramesh Mandadi  
Ramesh Mandadi  
Director of Operations

Reviewed and approved by:  
Sujata Moton  
S. Moton  
VP



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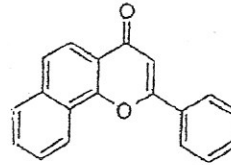
e-mail: [chemical@indofinechemical.com](mailto:chemical@indofinechemical.com)

## HPLC ANALYSIS

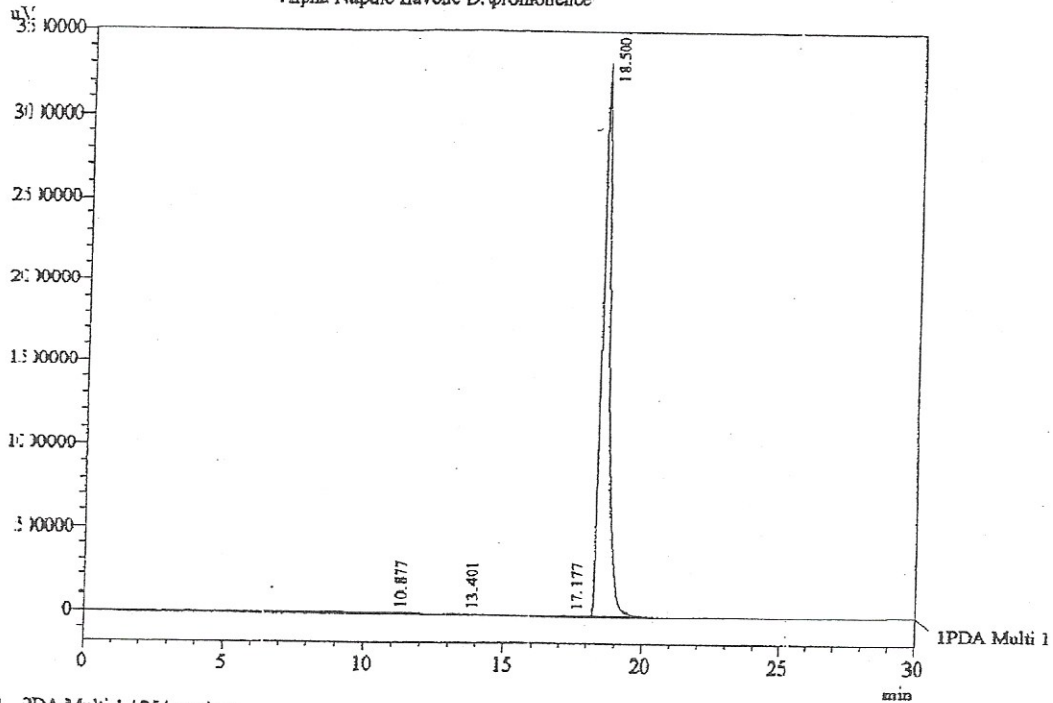
Acquired by : Ramana  
Sample Name : Alpha Naptho flavone  
Injection Volume : 20 uL  
Data Filename : 3004093.lcd  
Method Filename : Linear Gradient.M.lcm

Catalog no.: B-003  
Product name: 7,8-Benzoflavone  
Lot No.: 0905028

Description:  
Column : Inertsil C-18, 250X4.6mm 5.0µm  
Flow : 1.000ml/min.  
Mobile Phase : A(Water 0.05% TFA) : B(ACN)  
00.00 : 90 : 10  
12.00 : 10 : 90  
25.00 : 10 : 90  
28.00 : 90 : 10



Chromatogram  
Alpha Naptho flavone D:promonance



1 IPDA Multi 1 / 254nm 4nm

PeakTable

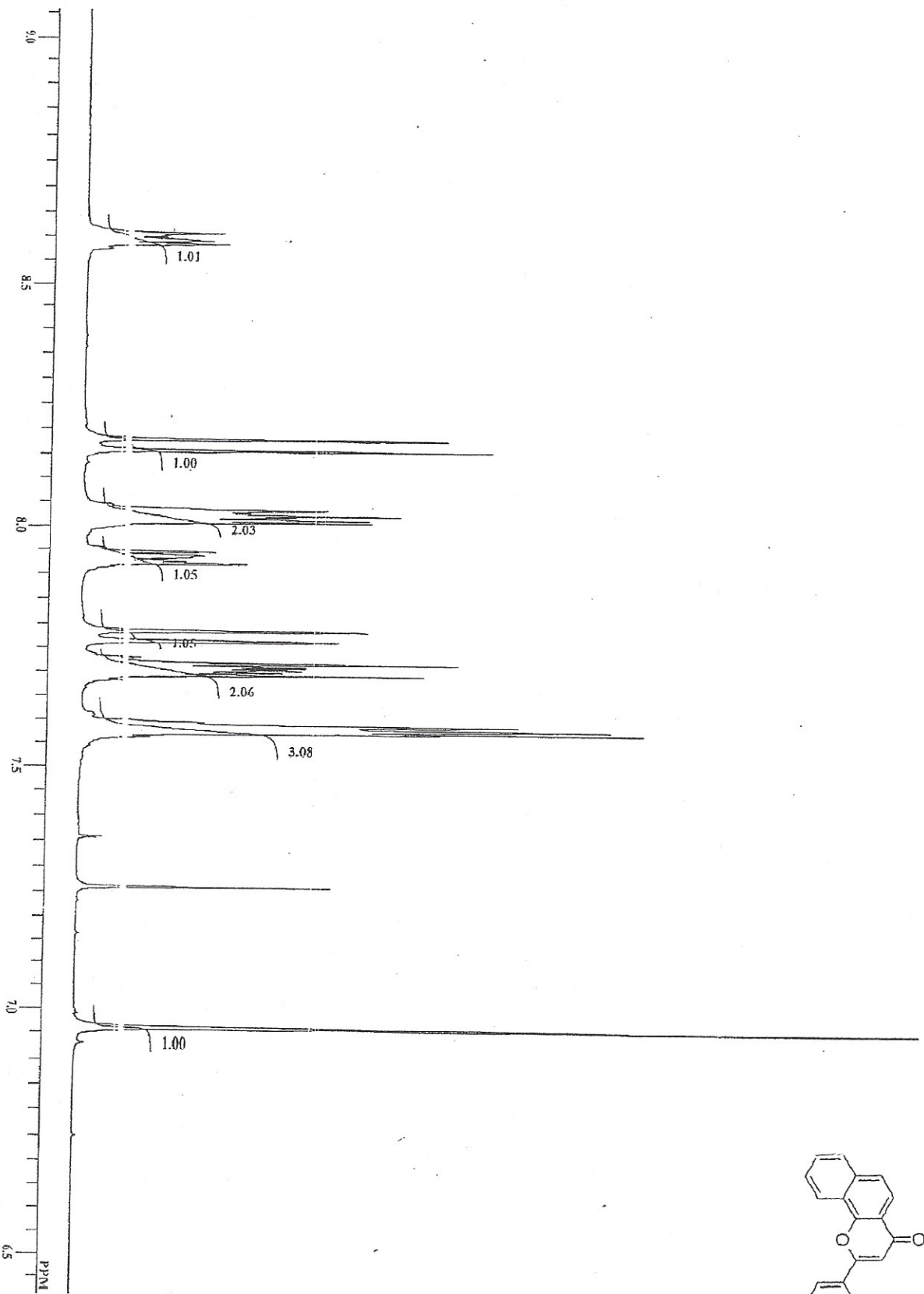
Cl 1 254nm 4nm

Peak#	Ret. Time	Area	Height	Area %
1	10.877	107161	4644	0.166
2	13.401	180371	4695	0.279
3	17.177	113510	5344	0.175
4	18.500	64281125	3319594	99.380
Total		64682167	3334276	100.000



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Alpha-Nap 1H1N1R CDCL3

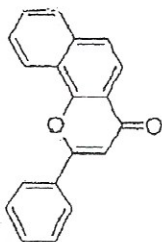
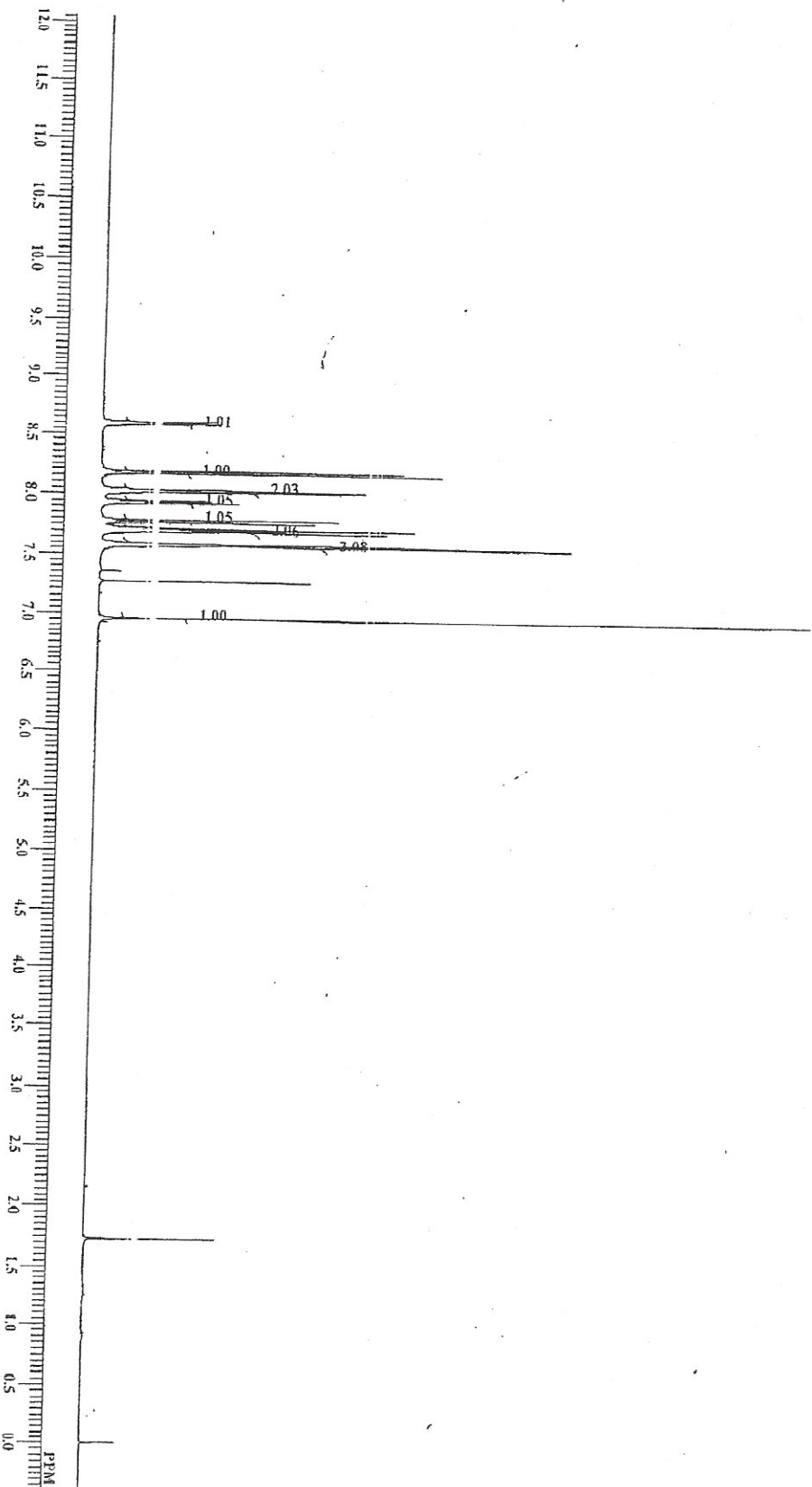


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Alpha-Nap 1H NMR CDCl3



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