



# 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-010

Product Name: **6-METHOXYFLAVANONE**

CAS Number: [3034-04-6]

Lot Number: 97076

Chemical Formula: C<sub>16</sub>H<sub>14</sub>O<sub>3</sub>

Molecular Weight: 254.29

Melting Point: 140-142°C

Appearance: White powder

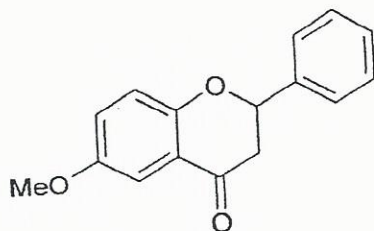
Solubility: Soluble in Chloroform

TLC: Hexane:Ethyl acetate (8:2)

NMR Spectrum: Enclosed (Confirms to the structure)

Storage: Cool dry place

Purity (HPLC): 99.85%





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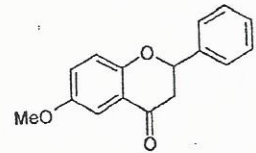
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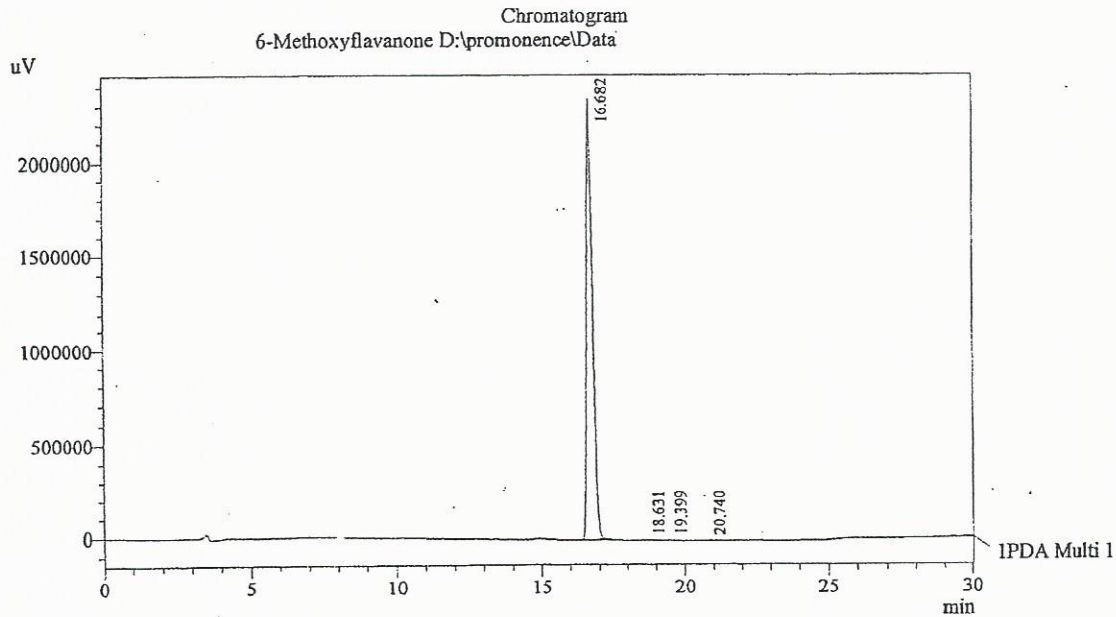
## HPLC ANALYSIS

Acquired by : Sanjeev  
Sample Name : 6-Methoxyflavanone  
Sample ID : Lot No: 97076  
Injection Volume : 20 uL  
Data Filename : 300813A.lcd  
Method Filename : Linear Gradient.M.lcm

Catalog No.: M-010  
Product Name: 6-Methoxyflavanone  
Lot No.: 97076



Column : LUNA C-18(2), (250mm x4.6mm 5.0µ)  
Flow : 1.000 mL/min.  
Mobile Phase : A(0.1% OPA 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



PeakTable

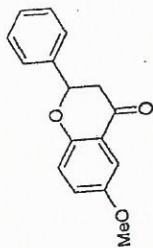
PDA Ch1 230nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	6-Methoxyflavanone	16.682	34579894	99.85	1.00
2	RT:18.631	18.631	14859	0.04	1.12
3	RT:19.399	19.399	27039	0.08	1.16
4	RT:20.740	20.740	9588	0.03	1.24
Total			34631381	100.00	



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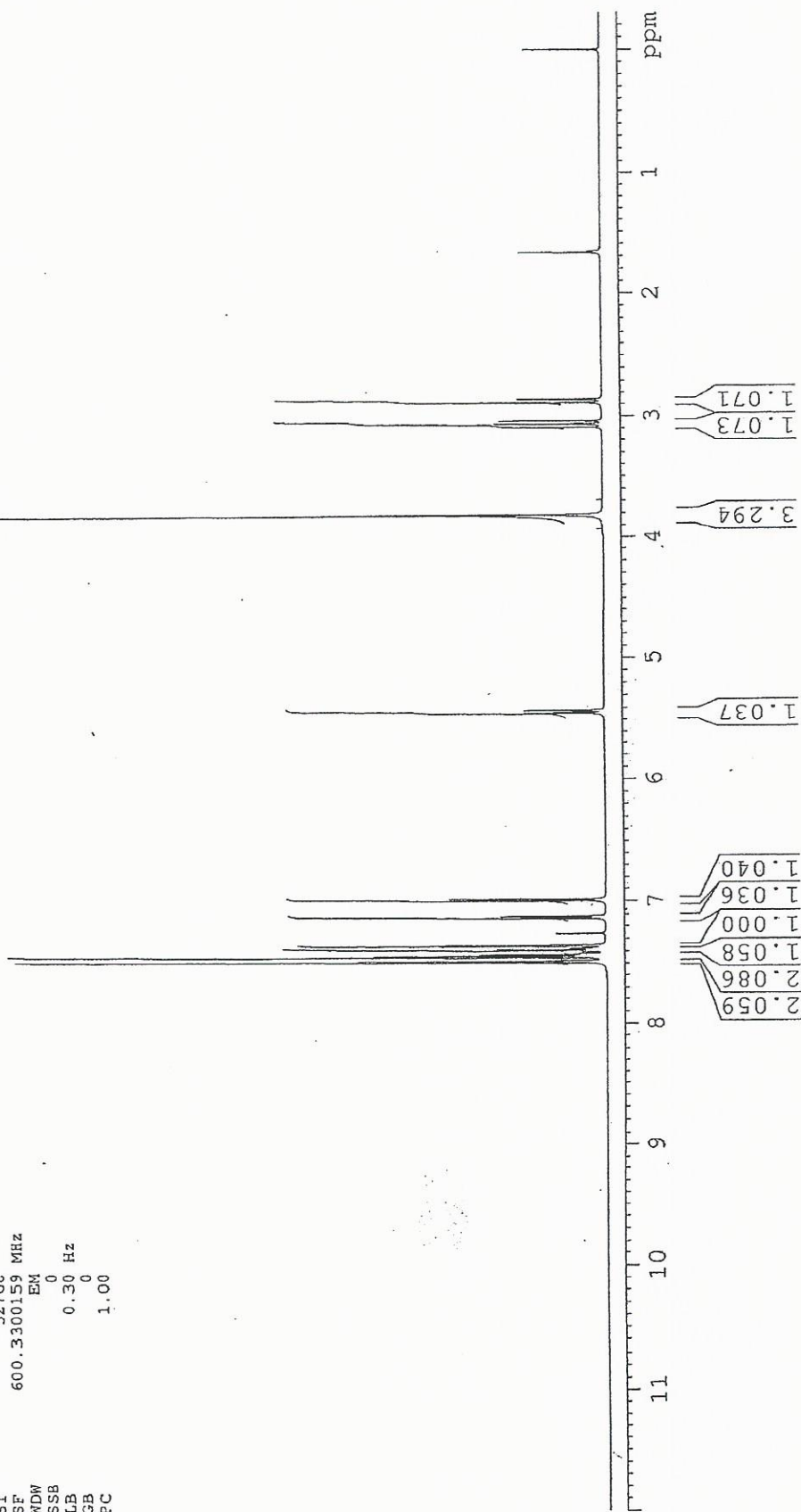
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 Lot No.: 97076



1H IN CDCL3  
 AVANCE-600

SOLVENT CDCL3  
 NS 16  
 DS 0  
 SWH 10775.862 Hz  
 FIDRES 0.359219 Hz  
 AQ 1.3919572 sec  
 RG -20.2  
 DW 46.400 usec  
 DE 6.00 usec  
 TE 298.2 K  
 D1 1.50000000 sec  
 TD0 1

===== CHANNEL f1 =====  
 NUC1 1H  
 P1 7.50 usec  
 PL1 2.60 dB  
 PL1W 6.62584448 W  
 SF01 600.3348457 MHz  
 SI 32766  
 SF 600.3300159 MHz  
 WDW EM  
 SSB 0  
 LB 0.30 Hz  
 GB 0  
 PC 1.00





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