



# INDOFINE Chemical Company, Inc.

121 Stryker Lane, Bldg. 30, Suite 1 • Hillsborough, NJ 08844 • U.S.A.

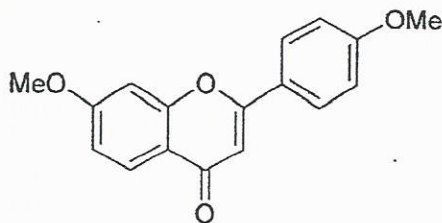
Phone: (908) 359-6778 • FAX: (908) 359-1179

website: [www.indofinechemical.com](http://www.indofinechemical.com)

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

## CERTIFICATE OF ANALYSIS

<u>Catalog Number</u>	D-431
<u>Product Name:</u>	<b>7,4'-DIMETHOXYFLAVONE</b>
<u>Cas Number:</u>	[20979-50-4]
<u>Lot Number:</u>	97006
<u>Chemical Formula:</u>	C <sub>17</sub> H <sub>14</sub> O <sub>4</sub>
<u>Molecular Weight:</u>	282.29
<u>Melting Point:</u>	150-152°C
<u>Appearance:</u>	White powder
<u>Solubility:</u>	Soluble in Chloroform
<u>TLC:</u>	Hexane:Ethyl acetate (1:1)
<u>NMR Spectrum:</u>	Enclosed (Confirms to the structure)
<u>Storage:</u>	Cool dry place
<u>Purity (HPLC):</u>	99.52%





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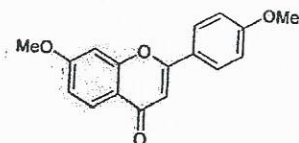
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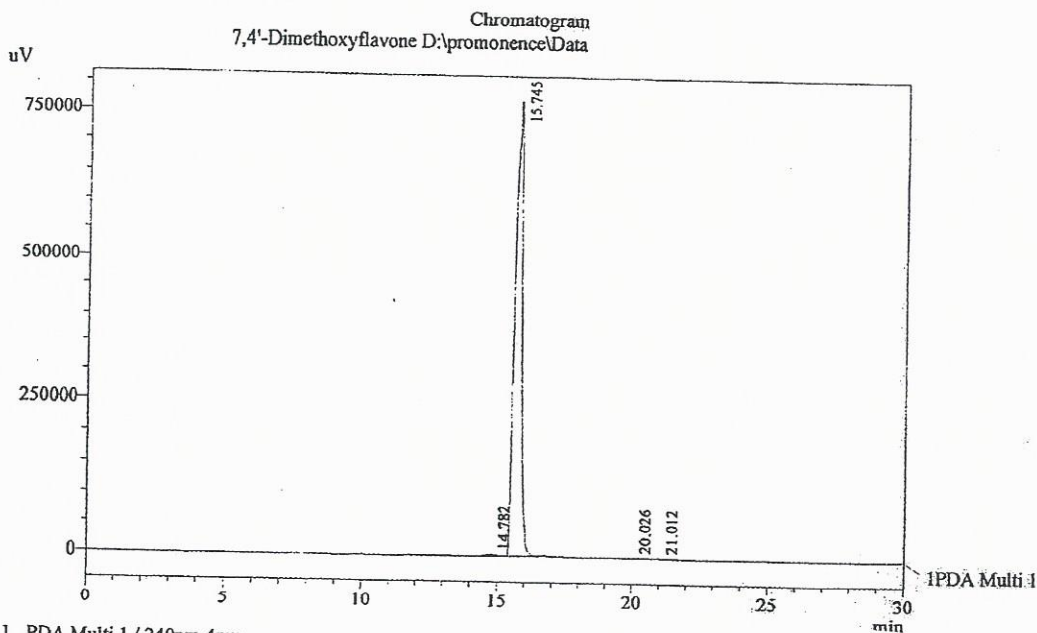
## HPLC ANALYSIS

Acquired by : Sanjeev  
Sample Name : 7,4'-Dimethoxyflavone  
Sample ID : Lot-No-97006  
Injection Volume : 20 uL  
Data Filename : 121113E.lcd  
Method Filename : Linear Gradient.M.lcm

Catalog No.: D-431  
Product Name: 7,4'-Dimethoxyflavone  
Lot No.: 97006



Column : LUNA C-18(2), (250mm x4.6mm 5.0μ)  
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 : Diluent Blank



1 PDA Multi 1 / 240nm 4nm

PeakTable

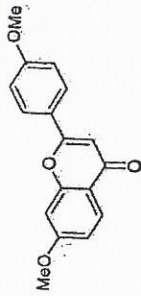
PDA Ch1 240nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:14.782	14.782	61906	0.43	0.94
2	7,4'-Dimethoxyflavone	15.745	14242457	99.52	1.00
3	RT:20.026	20.026	4120	0.03	1.27
4	RT:21.012	21.012	2508	0.02	1.33
Total			14310991	100.00	



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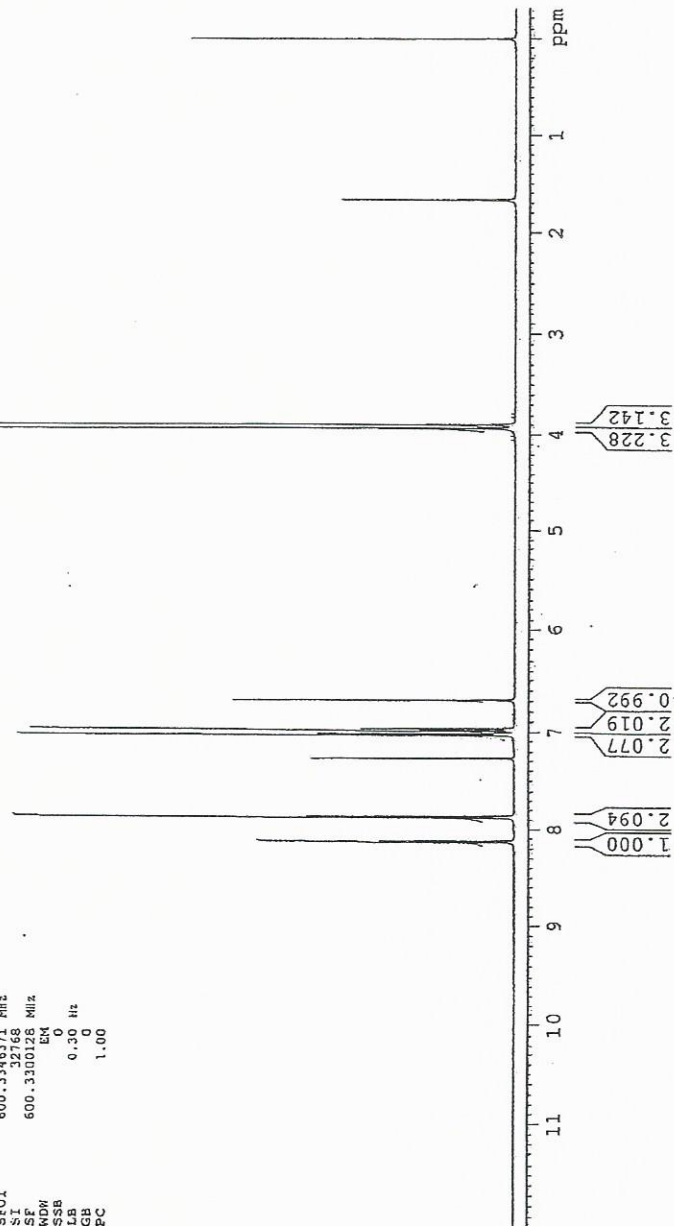
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1H IN CDCL3  
AVANCE-600

SOLVENT CDCL3  
NS 1  
DS 0  
SMR 10026.738 Hz  
FIDRES 0.334247 Hz  
AQ 1.4959502 sec  
RG 28.5  
DW 49.867 usec  
DE 0.00 usec  
TE 298.2 K  
D1 1.5000000 sec  
TD0 1

\*\*\*\*\* CHANNEL f1 \*\*\*\*\*  
NUC1 1H  
P1 7.50 usec  
PL1 2.50 dB  
PL2 0.00 dB  
SFO1 600.3300126 MHz  
SI 32768  
SF 600.3300126 MHz  
WDW EM  
SSB 0  
LB 0.30 Hz  
GB 0  
PC 1.00





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