



# 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)

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## CERTIFICATE OF ANALYSIS

Catalog Number: M-401

Product Name: 4'-HYDROXY-5-METHOXYFLAVONE

Lot Number: 000454

Chemical Formula: C<sub>16</sub>H<sub>12</sub>O<sub>4</sub>

Molecular Weight: 268.27

Melting Point: 256-257°C

Appearance: Pale yellow powder

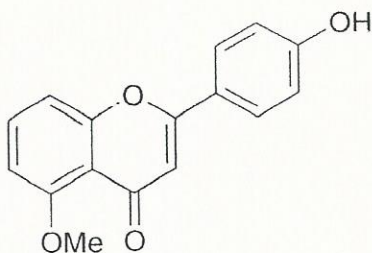
Solubility: Soluble in DMSO

TLC: n-Hexane : Ethyl acetate (1:1)

NMR Spectrum: Enclosed (Conforms to the structure)

Storage: Cool dry place

Purity (HPLC): 98.43%





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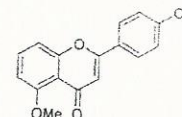
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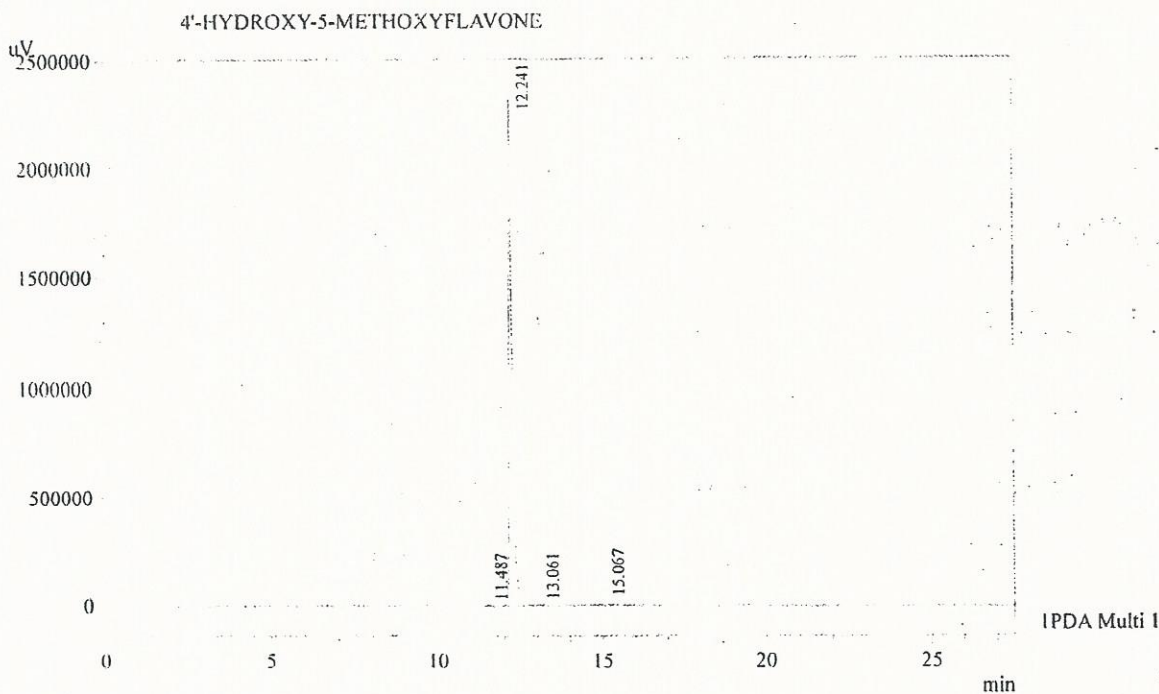
## HPLC ANALYSIS

Acquired by : Admin  
 Sample Name : 4'-HYDROXY-5-METHOXYFLAVONE  
 Sample ID : Lot No: 000454  
 Injection Volume : 1 uL  
 Data Filename : 090916G.lcd  
 Method Filename : Linear Gradient.M.lcm  
 Report Filename : Default.lcr

Catalog No.: M-401  
 Product Name: 4'-Hydroxy-5-methoxyflavone  
 Lot No.: 000454



Column : Gemini C-18(2), (250mm x4.6mm 5.0μ)  
 Flow : 1.000 mL/min.  
 Mobile Phase : A(20% of 0.05% TFA in water) B(80% of Acetonitrile)



1 PDA Multi 1 / 254nm 4nm

PeakTable

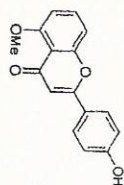
PDA Ch1 254nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:11.487	11.487	14254	0.09	0.00
2	RT:12.241	12.241	16370819	98.43	0.00
3	RT:13.061	13.061	35635	0.21	0.00
4	RT:15.067	15.067	211059	1.27	0.00
Total			16631767	100.00	



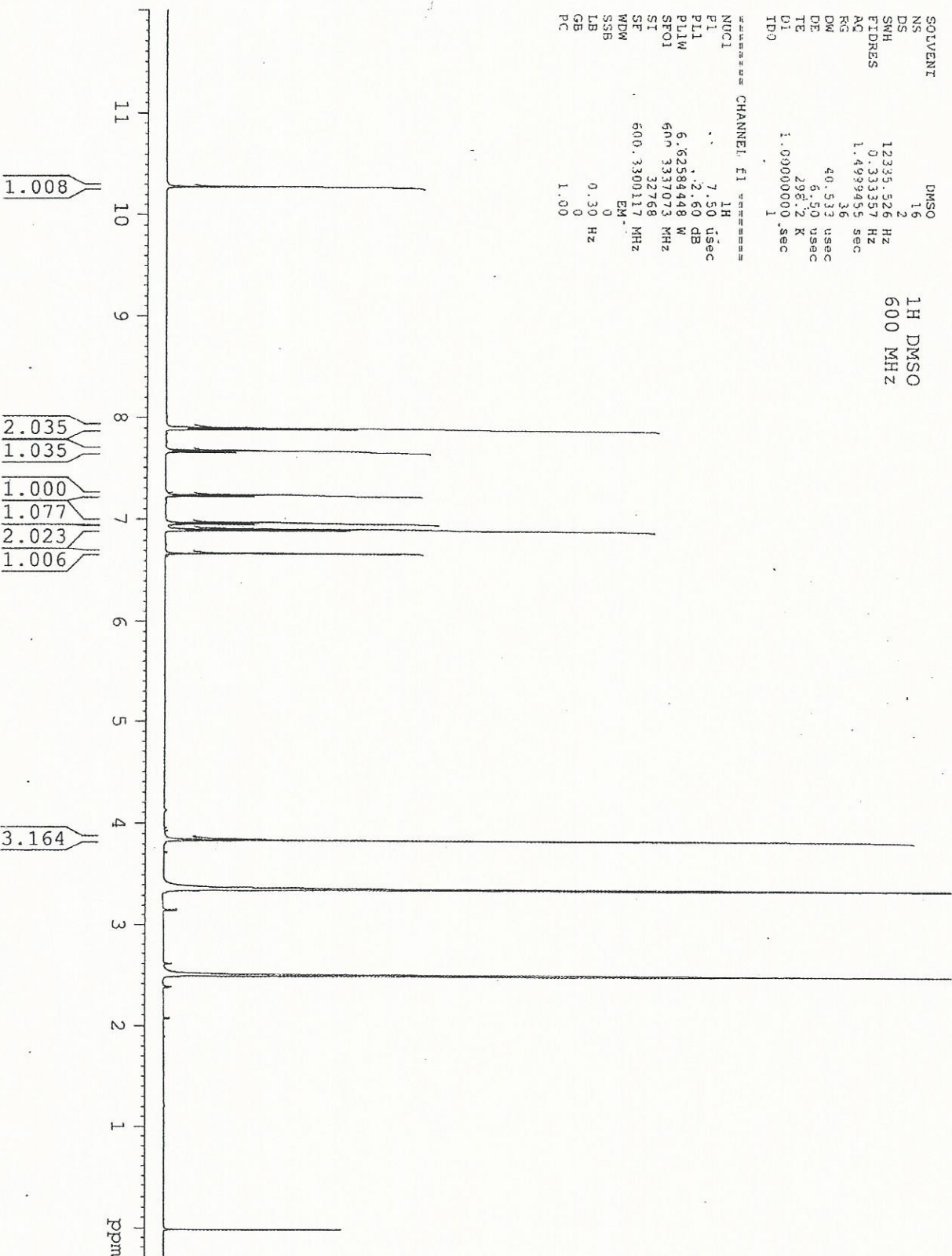
**INDOFINE Chemical Company, Inc.**  
121 STRYKER LANE  
BLDG. 30, SUITE 1  
HILLSBOROUGH, NJ 08844

Catalog No.: M-401  
Product Name: 4'-Hydroxy-5-methoxyflavone  
Lot No.: 000454



SOLVENT DMSO  
NS 16  
DS 2  
SMH 12335.526 Hz  
FIDRES 0.333387 Hz  
AQ 1.4999455 sec  
RG 36  
DW 40.513 usec  
DE 6.50 usec  
TE 298.2 K  
OI 1.00000000 sec  
ID0 1

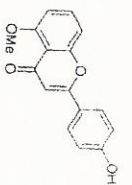
\*\*\*\*\* CHANNEL F1 \*\*\*\*\*  
NUC1 1H  
PI 7.50 usec  
PL1 12.60 dB  
PL1W 6.62584448 W  
SFO1 600.3337073 MHz  
SI 32768  
SF 600.3300117 MHz  
WDW EM-  
SSB 0  
LB 0.30 Hz  
GB 0  
PC 1.00





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 Product Name: 4'-Hydroxy-5-methoxyflavone  
 Lot No.: 000454



SOLVENT DMSO  
 NS 16  
 DS 2  
 SWH 12335.526 Hz  
 FIDRES 0.333337 Hz  
 AQ 1.4899455 sec  
 RG 16  
 EW 49.533 usec  
 DR 6.50 usec  
 TE 298.2 K  
 D1 1.0000000 sec  
 TD0 1

1H DMSO  
 600 MHz

\*\*\*\*\* CHANNEL #1 \*\*\*\*\*  
 NUC1 1H  
 P1 7.50 usec  
 PL1 21.60 dB  
 PL1M 5.62584448 W  
 SF01 401.3232072 MHz  
 S1 32768  
 SF 600.390117 MHz  
 XEM EM  
 XCB 9  
 XE 0.30 Hz  
 XE 0  
 XE 1.00

