



# 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: **020067**

Product Name: **GALANGIN**  
(3,5,7-Trihydroxyflavone)

Cas Number: [548-83-4]

Lot Number: 0704042

Chemical Formula: C<sub>15</sub>H<sub>10</sub>O<sub>5</sub>

Molecular Weight: 270.24

Melting Point: 217-218°C

Appearance: Light cream powder

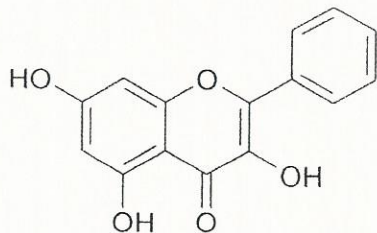
Solubility: Soluble in Chloroform

TLC: n-Hexane:Ethyl acetate (7:3)

NMR Spectrum: Enclosed (Conforms to the structure)

Storage: Store in a cool, dry place

Purity (HPLC): 99.15%





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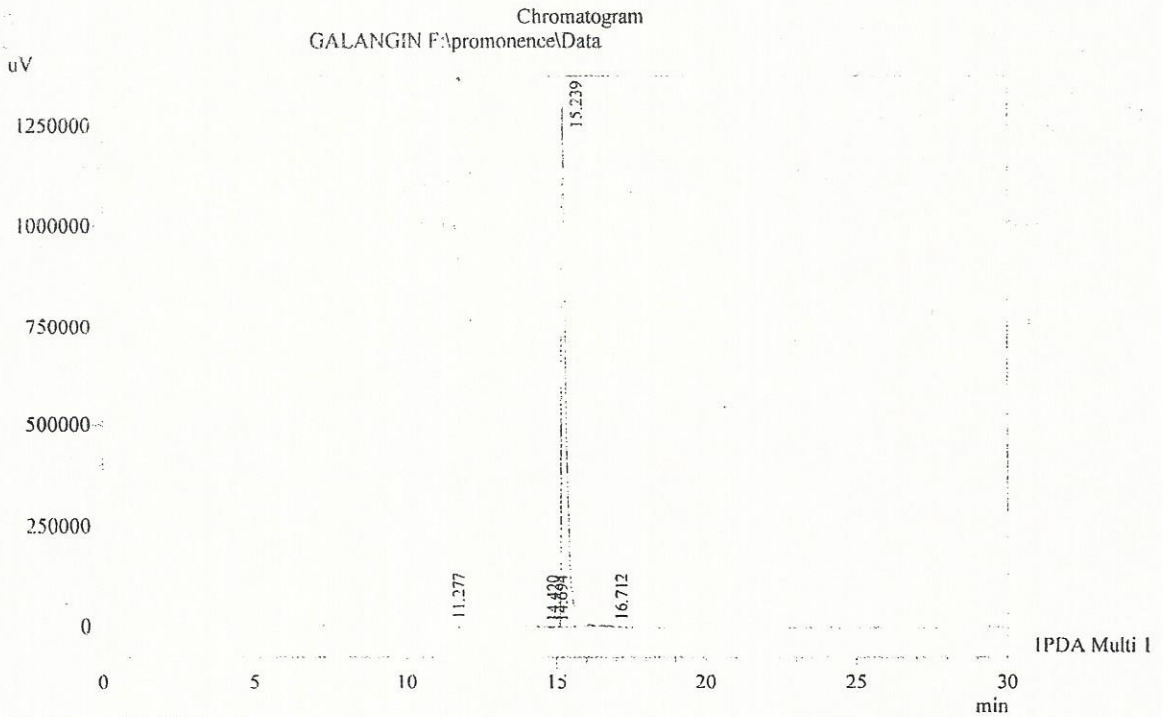
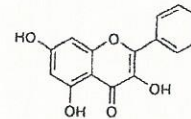
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## HPLC ANALYSIS

Acquired by : Admin  
 Sample Name : GALANGIN  
 Sample ID : Lot No:0704042  
 Injection Volume : 1 uL  
 Data Filename : 1709161.lcd  
 Method Filename : Linear Gradient.M.lcm  
 Report Filename : Default.lcr

Catalog No.: 020067  
 Product Name: Galangin  
 Lot No.: 0704042



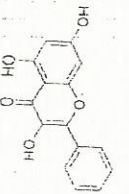
1 PDA Multi 1 / 254nm 4nm

PeakTable

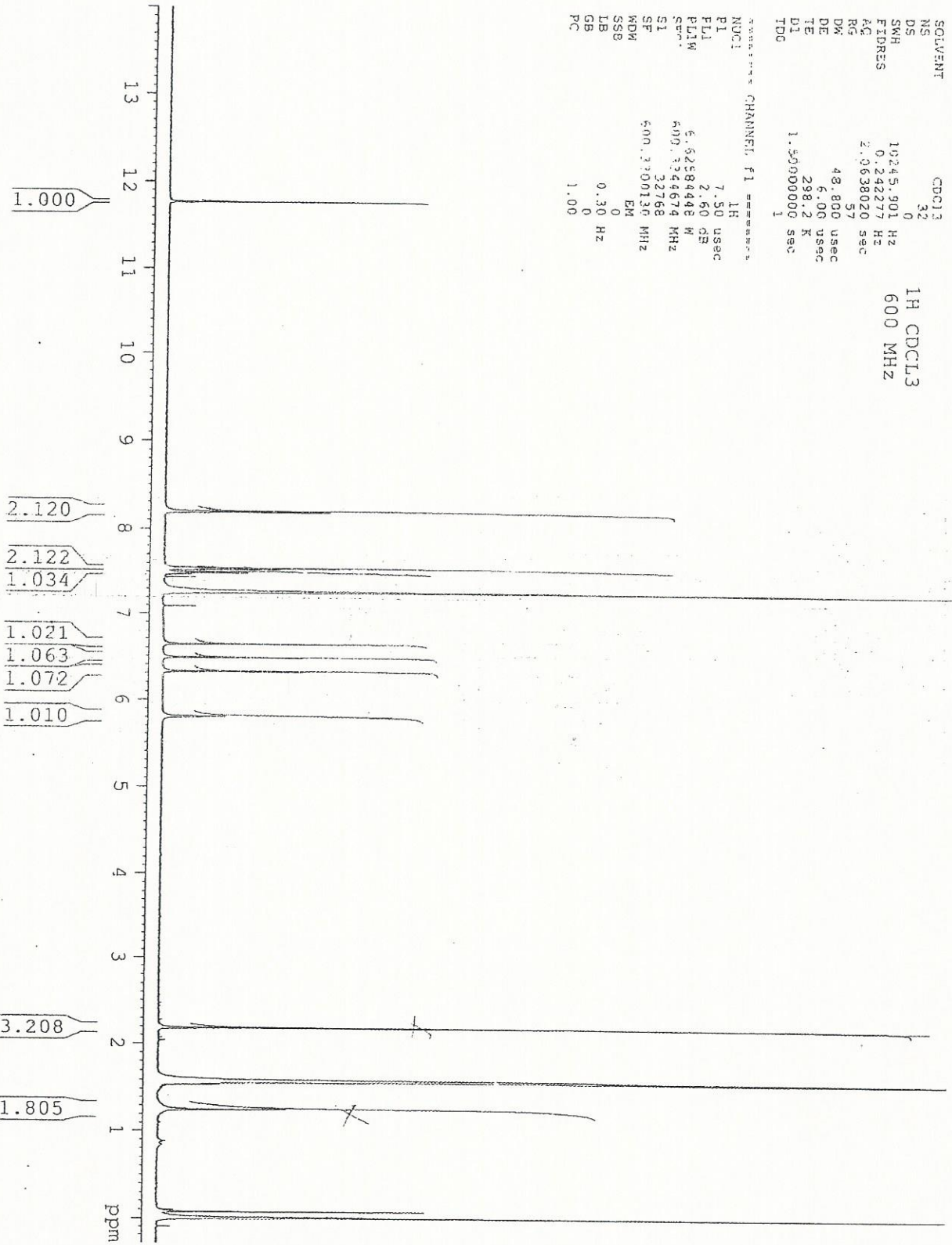
Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:11.277	11.277	68689	0.48	0.00
2	RT:14.420	14.420	9969	0.07	0.00
3	RT:14.694	14.694	6249	0.04	0.00
4	RT:15.239	15.239	14193791	99.15	0.00
5	RT:16.712	16.712	37281	0.26	0.00
Total			14315980	100.00	



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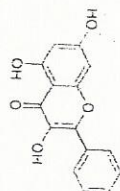
CHANNEL F1  
 NS SOLVENT CDCl3  
 DS 32  
 SMH 10245.901 Hz  
 FIDRES 0.242277 Hz  
 AQ 2.0638020 sec  
 RG 57  
 DM 48.800 usec  
 DE 6.00 usec  
 TE 288.2 K  
 DI 1.5000000 sec  
 TDG 1  
 \*\*\*\*\* CHANNEL F1 \*\*\*\*\*  
 NUCl 1H  
 PI 7.50 usec  
 FLI 2.60 dB  
 PLIW 6.52584448 W  
 SPC 600.3244674 MHz  
 S1 32768  
 SF 600.320136 MHz  
 KDW EM  
 SS0 0  
 LB 0.30 Hz  
 GB 0  
 PC 1.00



Catalog No.: 020067  
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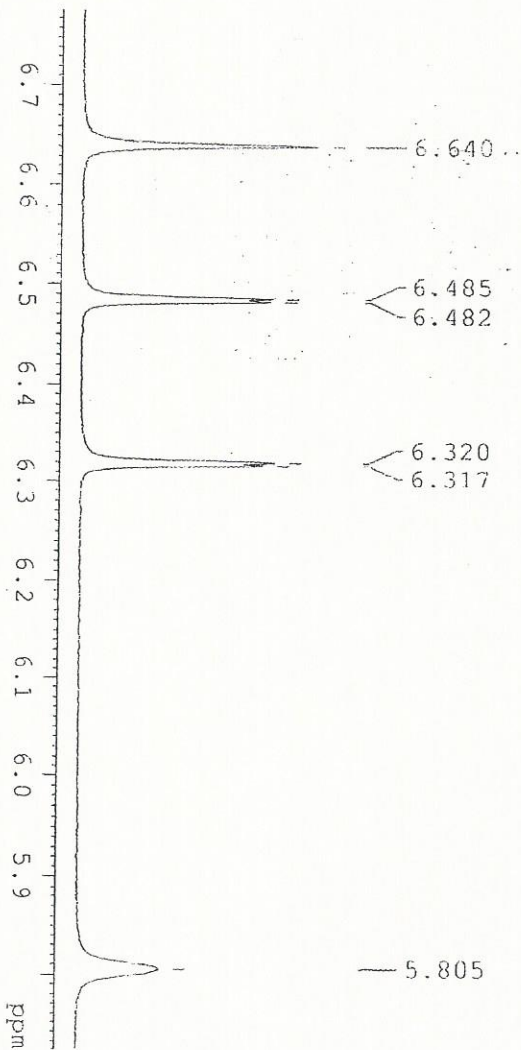


Catalog No.: 020067  
 Product Name: Galangin  
 Lot No.: 0704042

<sup>1</sup>H CDCl<sub>3</sub>  
 600 MHz

SOLVENT CDCl<sub>3</sub>  
 NS 32  
 DS 6  
 SMH 10245.901 HZ  
 FIDRES 0.242277 HZ  
 AQ 2.0638020 sec  
 PG 57  
 DW 48.800 usec  
 DE 6.00 usec  
 TE 298.2 K  
 D1 1.50000000 sec  
 TD0 1

\*\*\*\*\* CHANNEL f1 \*\*\*\*\*  
 NU01 1H  
 P1 7.50 usec  
 PL1 2.50 dB  
 PL1W 6.62584448 W  
 SEC01 600.3204674 MHZ  
 SI 32758  
 SF 600.3200130 MHZ  
 WDN EM  
 SSB 0  
 LB 0  
 GB 0  
 FC 1.00



8.198  
 8.185

7.549  
 7.537  
 7.524  
 7.494  
 7.482  
 7.470  
 7.435

