



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

e-mail: chemical@indofinechemical.com

CERTIFICATE OF ANALYSIS

Product Name: C-005

Product Name: **5,7-DIHYDROXYFLAVONE**
(Chrysin)

Cas Number: [480-40-0]

Lot Number: 0504033

Chemical Formula: C₁₅H₁₀O₄

Molecular Weight: 254.25

Melting Point 285-288°C

Appearance: Pale yellow powder

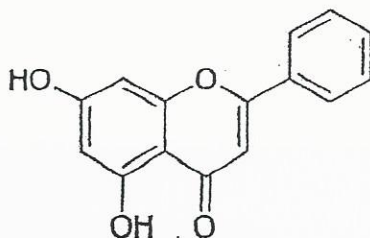
Solubility: Soluble in DMSO

TLC: Chloroform : Methanol (9:1)

NMR Spectrum: Enclosed (Confirms to the structure)

Storage: Cool dry place

Purity (HPLC): 99.60%





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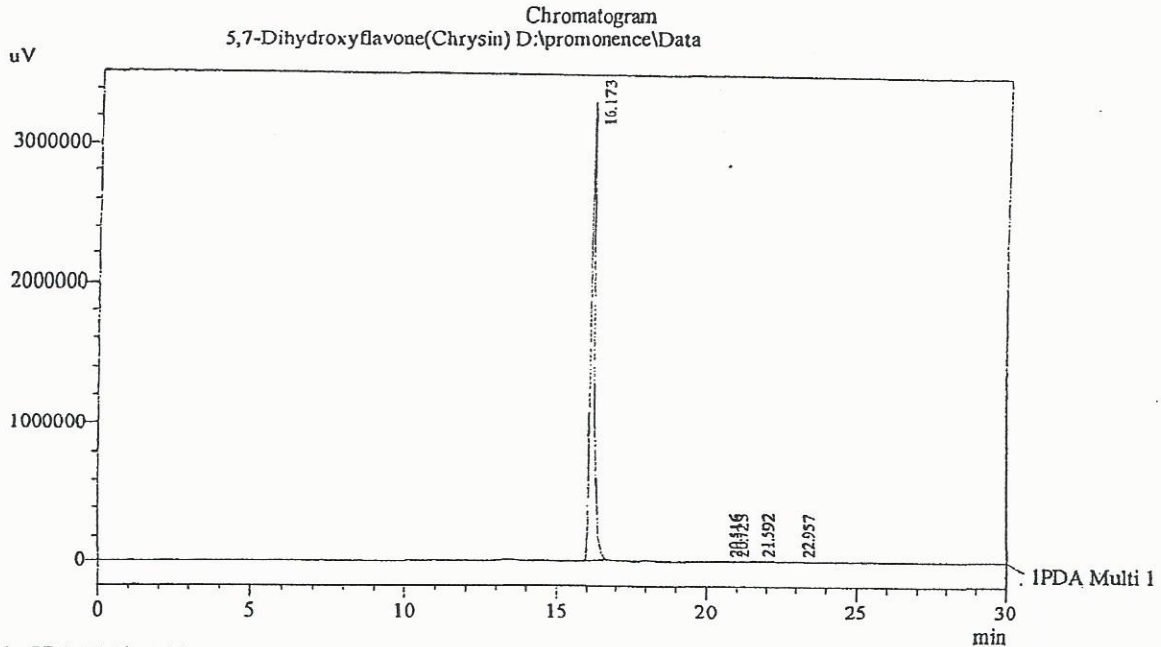
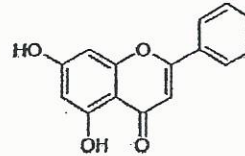
e-mail: chemical@indofinechemical.com

HPLC ANALYSIS

Acquired by : Sanjeev
Sample Name : 5,7-Dihydroxyflavone(Chrysin)
Sample ID : Lot No:- 0504033
Injection Volume : 20 uL
Data Filename : 0604131.lcd
Method Filename : Linear Gradient.M.lcm

Catalog No.: C-005
Product name: 5,7-Dihydroxyflavone (Chrysin)
Lot No.: 0504033

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



1 PDA Multi 1 / 254nm 4nm

PeakTable

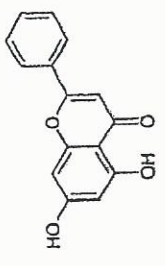
PDA Chl 254nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	5,7-Dihydroxyflavone	16.173	33167533	99.60	1.00
2	RT:20.516	20.516	5206	0.02	1.27
3	RT:20.723	20.723	10348	0.03	1.28
4	RT:21.592	21.592	71125	0.21	1.34
5	RT:22.957	22.957	47405	0.14	1.42
Total			33301618	100.00	



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Catalog No.: C-005
 Product name: 5,7-Dihydroxyflavone (Chrysin)
 Lot No.: 0504033



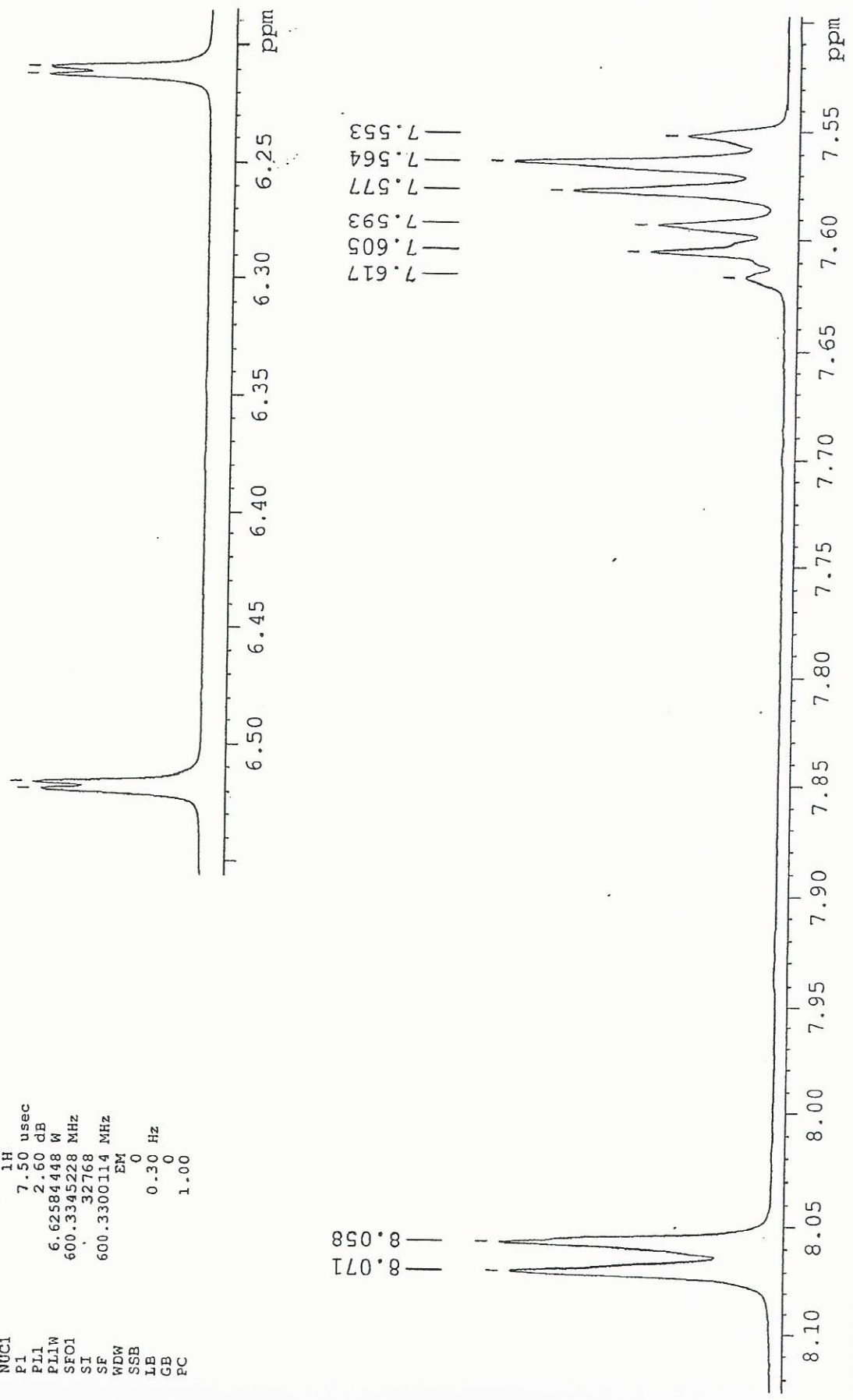
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 NS 16
 DS 0
 SWH 9803.922 Hz
 FIDRES 0.326819 Hz
 AQ 1.5299480 sec
 RG 22.6
 DW 51.000 usec
 DE 6.00 usec
 TE 298.2 K
 D1 1.50000000 sec
 TDO 1

1H IN DMSO
 AVANCE-600

6.516
 6.520
 6.519

6.210
 6.213

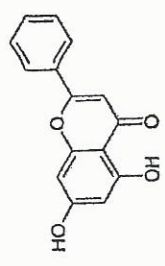
==== CHANNEL f1 =====
 NUC1 1H
 P1 7.50 usec
 PL1 2.60 dB
 PL1W 6.62584448 W
 SFO1 600.3345228 MHz
 SI 32768
 SF 600.3300114 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00





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SOLVENT DMSO
 NS 16
 DS 0
 SWH 9803.922 Hz
 FIDRES 0.326819 Hz
 AQ 1.5229480 sec
 RG 22.6
 DW 51.000 usec
 DE 6.00 usec
 TE 298.2 K
 D1 1.50000000 sec
 TD0 1

1H IN DMSO
 AVANCE-600

===== CHANNEL f1 =====
 NUC1 1H
 P1 7.50 usec
 PL1 2.60 dB
 PL1W 6.62584448 W
 SF01 600.3345228 MHz
 SI 32768
 SF 600.3300114 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

