



INDOFINE Chemical Company, Inc.

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

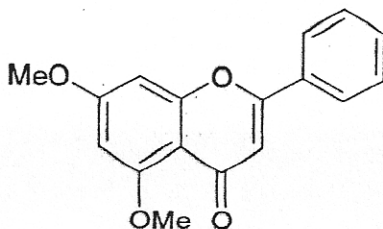
Phone: (908) 359-6778 • FAX: (908) 359-1179

website: www.indofinechemical.com

e-mail: chemical@indofinechemical.com

CERTIFICATE OF ANALYSIS

<u>Catalog Number:</u>	021010
<u>Product Name:</u>	5,7-DIMETHOXYFLAVONE (Methylated Chrysin; Chrysin dimethyl ether)
<u>CAS No.:</u>	[21392-57-4]
<u>Lot Number:</u>	1305331
<u>Molecular Formula:</u>	C ₁₇ H ₁₄ O ₄
<u>Molecular Weight:</u>	282.3
<u>Melting Point:</u>	152-154°C
<u>Appearance:</u>	Off white powder
<u>TLC:</u>	Chloroform : Methanol (9.5:0.5)
<u>Solubility:</u>	Soluble in Chloroform
<u>Moisture(KF):</u>	0.25%
<u>NMR Spectrum:</u>	Enclosed (Confirms to the structure)
<u>Residual Solvents by GC:</u>	Enclosed (Complies)
<u>Storage:</u>	Store in a cool, dry place
<u>Purity (HPLC):</u>	99.86%





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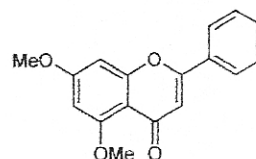
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HPLC ANALYSIS

Acquired by : Sanjeev
Sample Name : Methylated Chrysin
Sample ID : 15 Kgs Lot
Injection Volume : 20 uL
Data Filename : 160513C.lcd
Method Filename : Linear Gradient.M.lcm

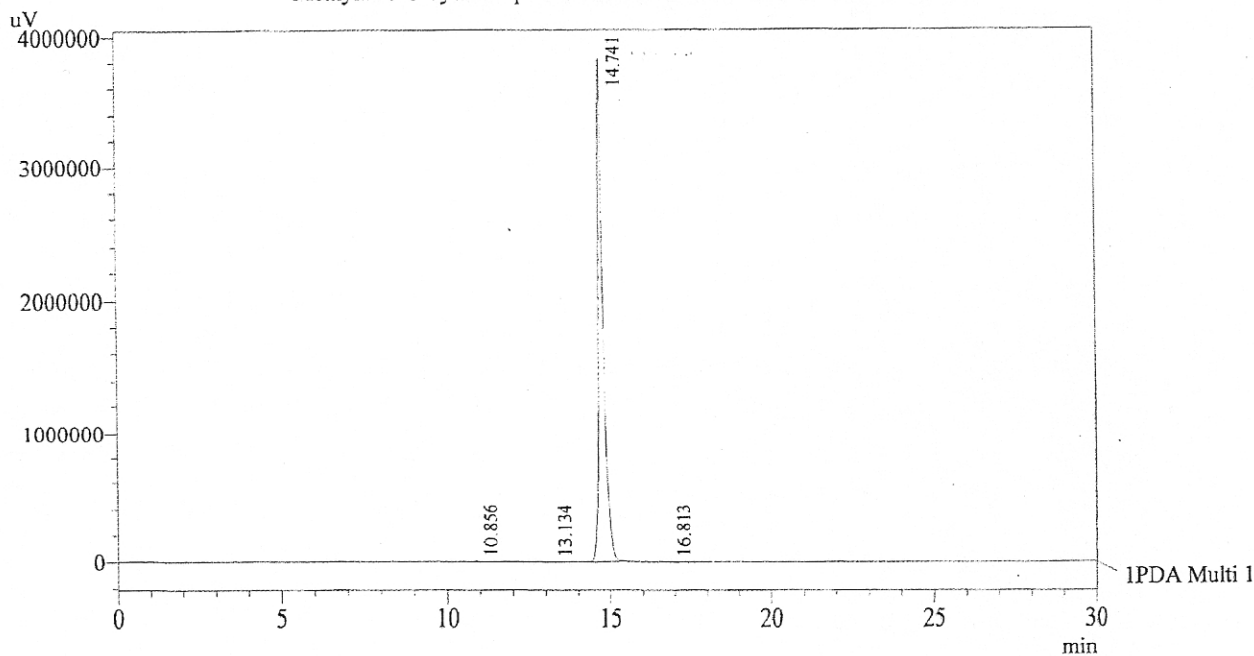
Catalog No.: 021010
Product name: Methylated chrysin
Lot No.: 1305331



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
25.0 90 10
30.0 90 10

Chromatogram

Methylated Chrysin D:\promonence\Data\2013\MAY-2013\160513C.lcd



1 PDA Multi 1 / 254nm 4nm

PeakTable

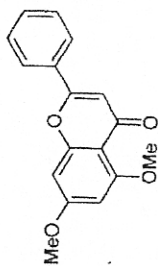
PDA Ch1 254nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:10.856	10.856	29274	0.07	0.74
2	RT:13.134	13.134	13629	0.03	0.89
3	Methylated Chrysin	14.741	42351002	99.86	1.00
4	RT:16.813	16.813	16228	0.04	1.14
Total			42410132	100.00	



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Lot No.: 1305331

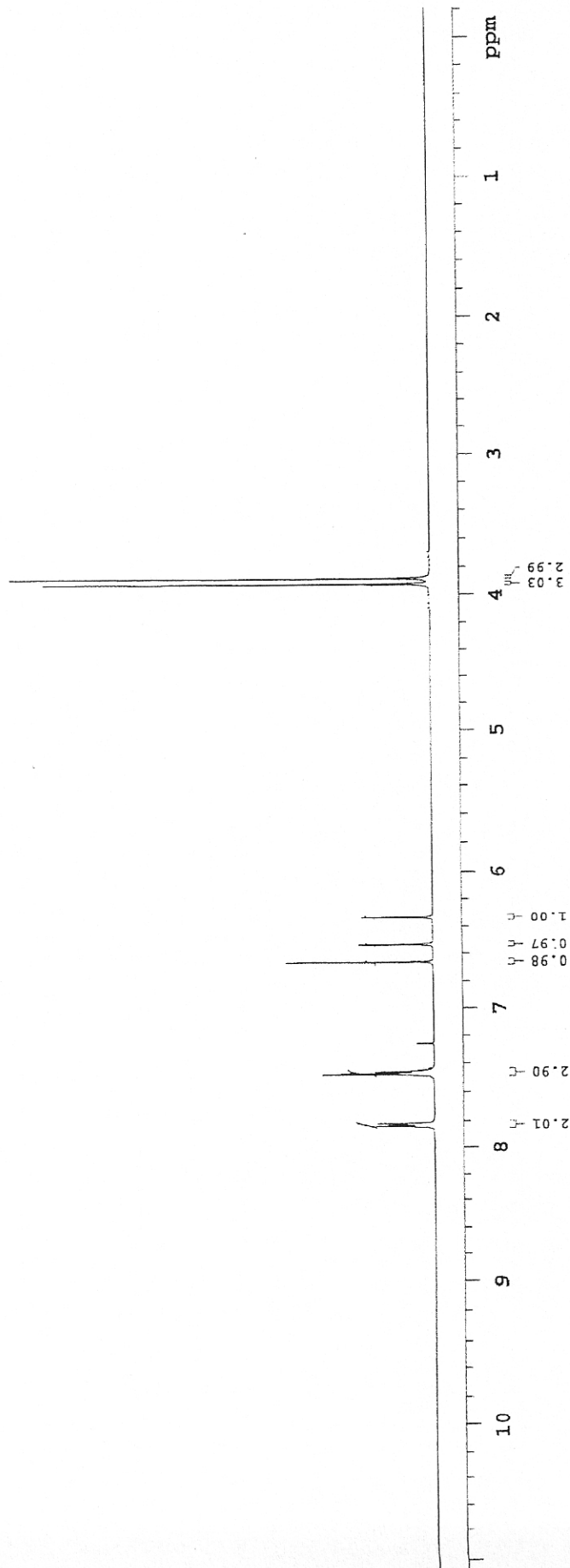


¹H NMR in CDCl₃, Date: 5-15-2013
VARIAN NMR 400MHZ

Sample: Me-chr

File: /home/vnmr1/data/2013/May/20130516/Me-chr_Submitq_20130516_02/Me-chr_PROTON01.fid

Pulse Sequence: #2pul

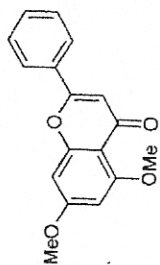


Plotname: Me-chr_PROTON01_plot05



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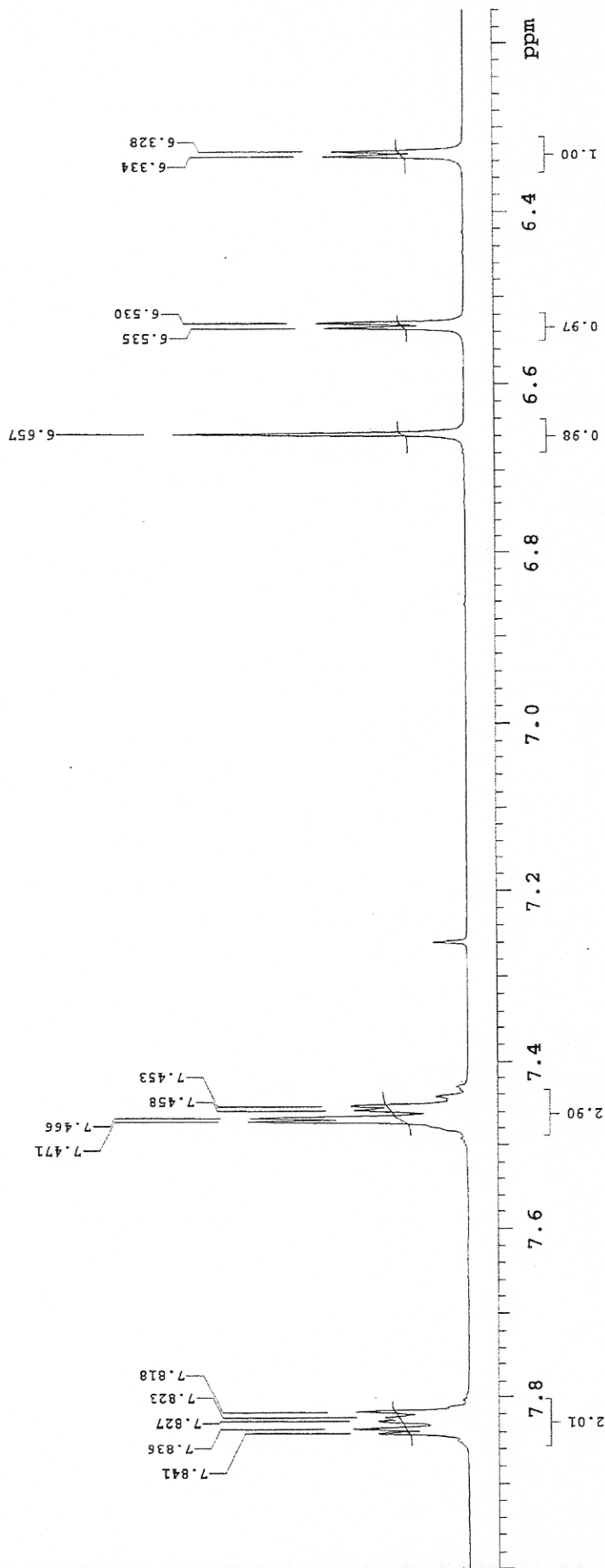
Catalog No.: 021010
Product name: Methylated chrysin
Lot No.: 1305331



1H NMR in CDCl3, Date: 5-15-2013
VARIAN NMR 400MHZ

Sample: Me-chr
File: /home/vnmr1/data/2013/May/20130516/Me-chr_Submitq_20130516_02/Me-chr_PROTON01.fid

Pulse Sequence: s2pul



Plotname: Me-chr_PROTON01_plot04



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TEST RESULTS

TEST	SPECIFICATION	RESULTS
Residual solvents by GC:		
Methanol	Not more than 3000 ppm	Not Detected
Acetone	Not more than 5000 ppm	Not Detected
IPE	Not more than 3000 ppm	Not Detected
Chloroform	Not more than 60 ppm	Not Detected

Authorized by:

The sample is having the above characteristics

Chromatograms enclosed



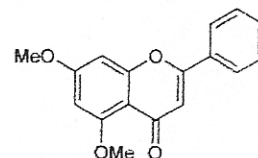
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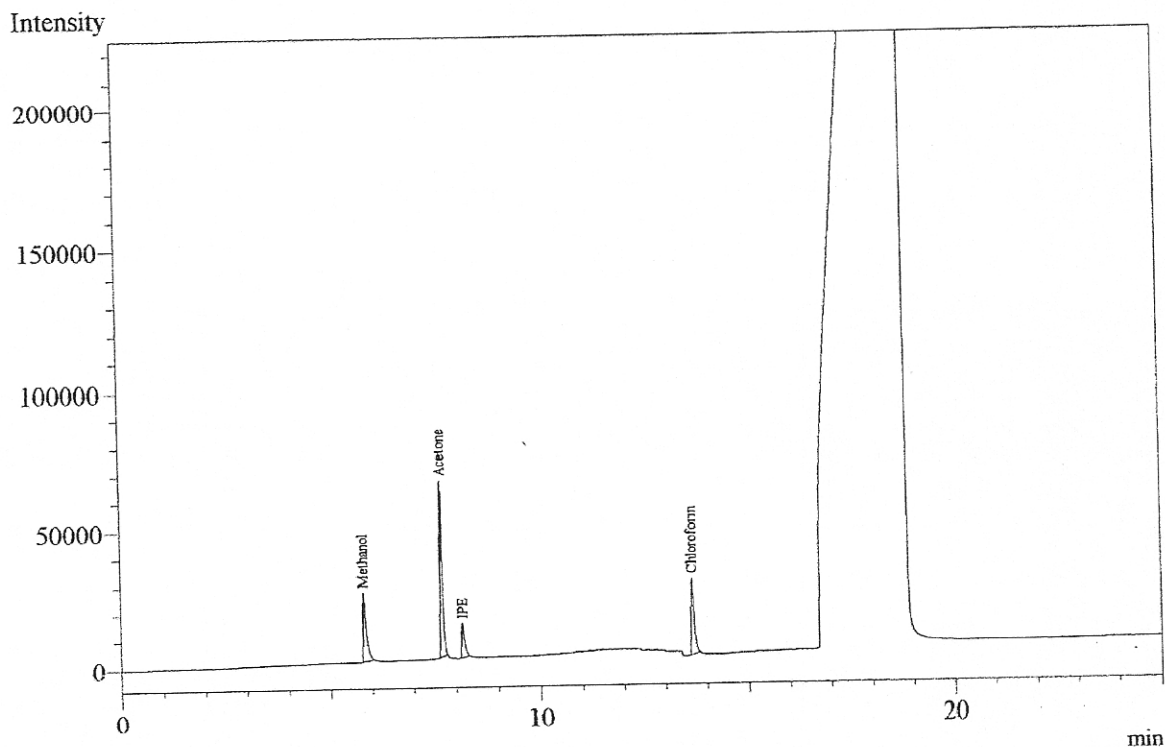
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Catalog No.: 021010
Product name: Methylated chrysin
Lot No.: 1305331

User Name : Admin
Sample Name : Me-CHR
Sample ID : Std
Data Name : D:\year-2013\May-13\130516 Me-CHR Std.gcd
Method Name : D:\Method-2013\GC-HS.gcm



Peak#	Units	Area	Ret.Time	Name
1	5.863	126546	23.1478	Methanol
2	7.681	230901	42.2363	Acetone
3	8.175	58515	10.7035	IPE
4	13.659	130726	23.9124	Chloroform
Total		546688	100.0000	



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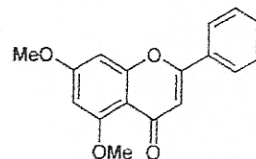
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Lot No.: 1305331



User Name : Admin
Sample Name : Me-CHR
Sample ID : 16.0 kg Lot
Data Name : D:\year-2013\May-13\130516 Me-CHR 16.0 kg Lot.gcd
Method Name : D:\Method-2013\GC-HS.gcm

