



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

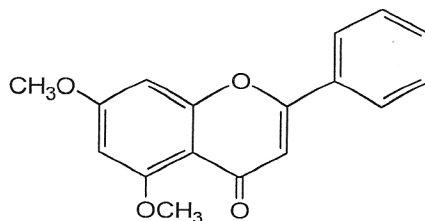
website: www.indofinechemical.com

e-mail: chemical@indofinechemical.com

CERTIFICATE OF ANALYSIS

Cat No.: 021010

<u>Product:</u>	5,7-DIMETHOXYFLAVONE (Methylated Chrysin; Chrysin dimethyl ether)
<u>CAS No.:</u>	[21392-57-4]
<u>Lot Number:</u>	1209243
<u>Molecular Formula:</u>	C ₁₇ H ₁₄ O ₄
<u>Molecular Weight:</u>	282.3
<u>Melting Point:</u>	153-155°C
<u>Appearance:</u>	Off white powder
<u>TLC:</u>	Chloroform : Methanol (9.5:0.5)
<u>Solubility:</u>	Soluble in Chloroform
<u>Storage:</u>	Cool, dry place
<u>Moisture(KF):</u>	0.38%
<u>Purity (HPLC):</u>	99.4%



Expiration Date: July 2017



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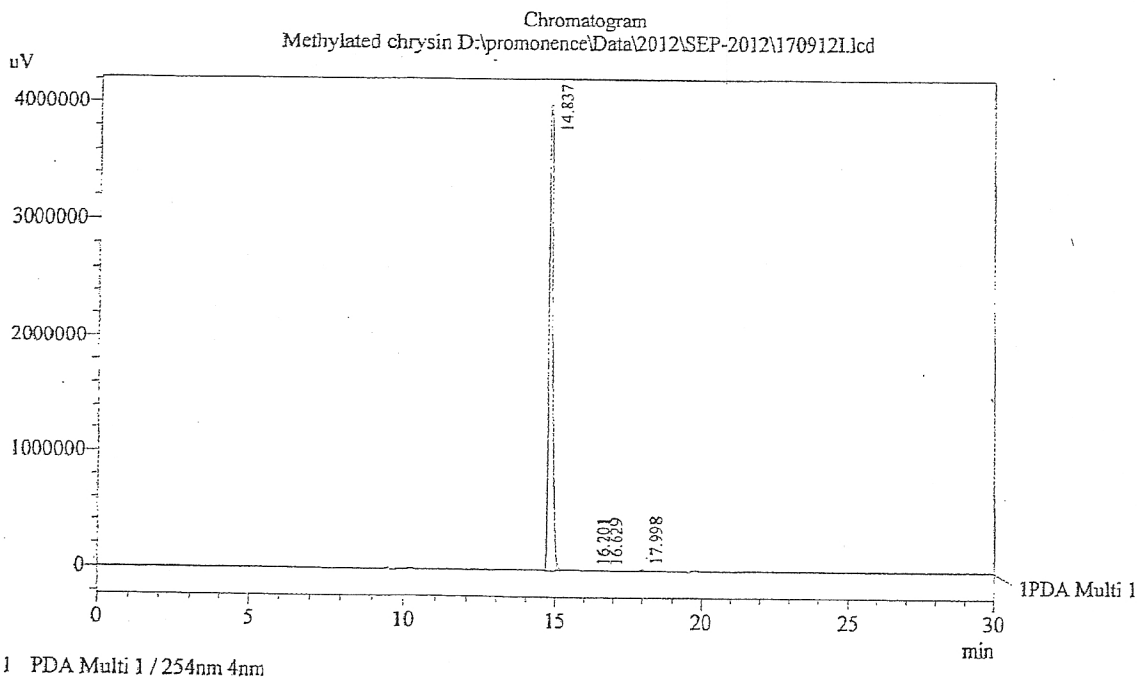
HPLC ANALYSIS

Acquired by : Sanjeev
Sample Name : Methylated chrysin
Sample ID : 10 Kgs Lot
Injection Volume : 20 uL
Data Filename : 1709121.lcd
Method Filename : Linear Gradient.M.lcm

Catalog no.: 021010
Product name: 5,7-Dimethoxyflavone
(Methylated Chrysin)
Lot No.: 1209243

Date Acquired : 9/17/2012 7:30:33 PM
Data Processed : 9/17/2012 8:16:28 PM
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



1 PDA Multi 1 / 254nm 4nm

PeakTable

PDA Ch1 254nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	Methylated chrysin	14.837	37264477	99.46	1.00
2	RT:16.203	16.201	13976	0.04	1.09
3	RT:16.627	16.629	17036	0.05	1.12
4	RT:17.999	17.998	171060	0.46	1.21
Total			37466549	100.00	



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(Methylated Chrysin)
Lot No.: 1209243

TEST RESULTS

TEST	SPECIFICATION	RESULTS
Residual solvents by GC:		
Chloroform	Not more than 60 ppm	BDL
Acetone	Not more than 5000 ppm	BDL
IPE	Not more than 3000 ppm	BDL
Methanol	Not more than 3000 ppm	312 ppm

Authorized by:

The sample is having the above characteristics

*BDL=Below detectable limits

Chromatograms enclosed



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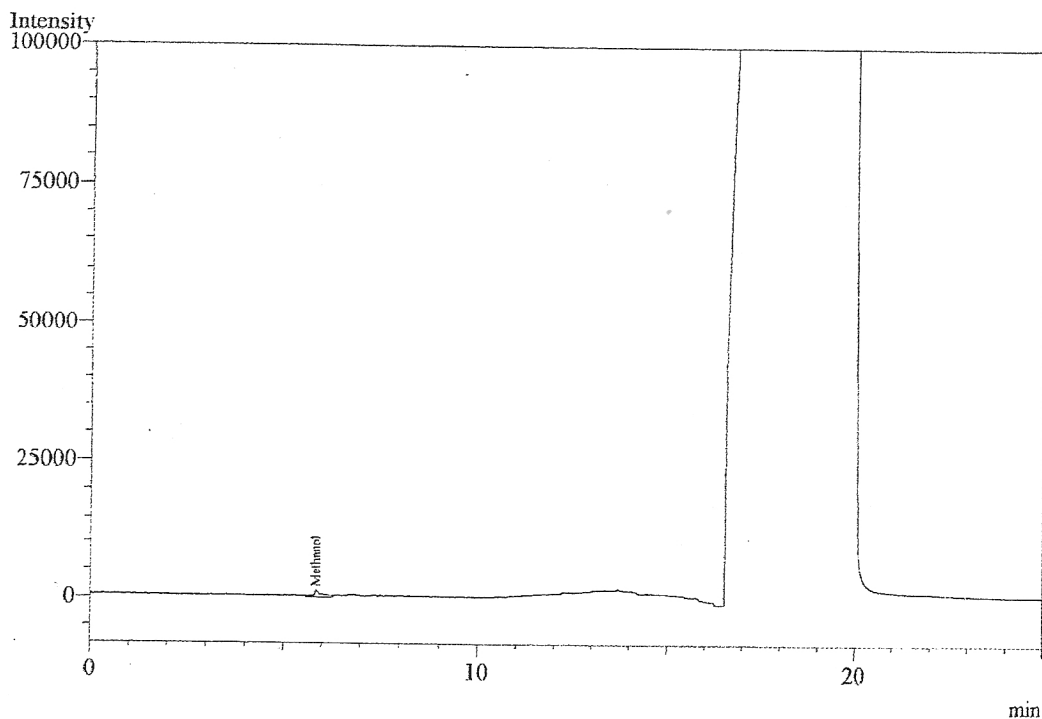
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GC ANALYSIS

Catalog no.: 021010
Product name: 5,7-Dimethoxyflavone
(Methylated Chrysin)
Lot No.: 1209243

Analysis Date & Time : 16/09/12 14:27:16
User Name : Admin
Sample Name : Me-CHR
Sample ID : 10 Kg Lot
Data Name : D:\year-2012\September-12\120916 Me-CHR 10 Kg Lot.gcd
Method Name : D:\Method-2012\Me-CHR.MTH.gcm



Peak#	Ret. Time	Area	Area%	Name
1	5.855	20488	100.0000	Methanol
Total		20488	100.0000	



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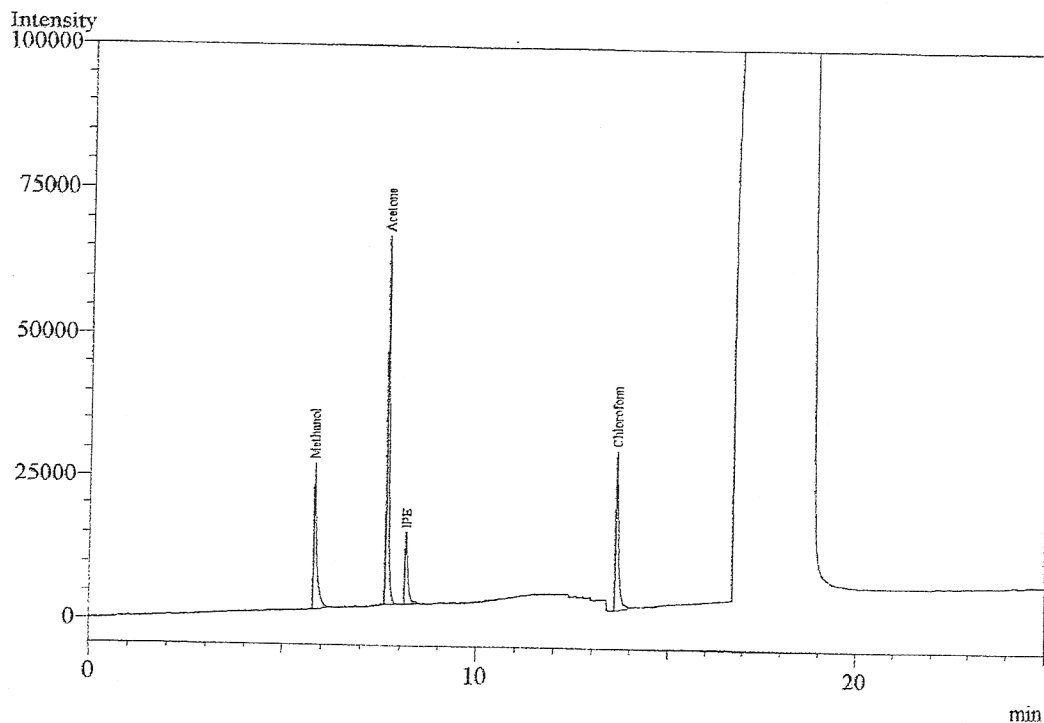
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GC ANALYSIS

Catalog no.: 021010
Product name: 5,7-Dimethoxyflavone
(Methylated Chrysin)
Lot No.: 1209243

Analysis Date & Time : 16/09/12 13:45:19
User Name : Admin
Sample Name : Me-CHR
Sample ID : Std
Data Name : D:\year-2012\September-12\120916 Me-CHR Std.gcd
Method Name : D:\Method-2012\Me-CHR.MTH.gcm



Peak#	Units	Area	Ret. Time	Name
1	5.808	136349	23.0525	Methanol
2	7.663	242973	41.0795	Acetone
3	8.121	67279	11.3748	IPE
4	13.642	144870	24.4932	Chloroform
Total		591471	100.0000	

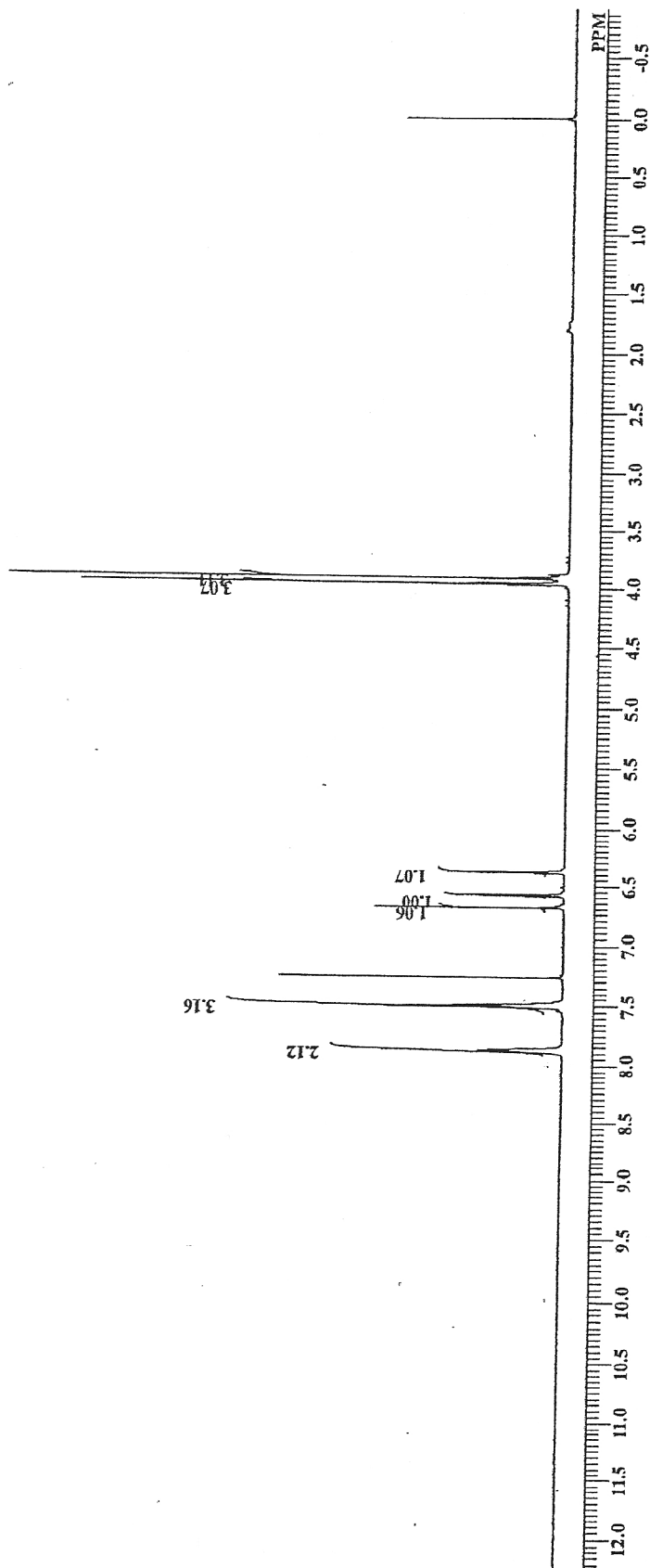


INDOFINE Chemical Company, Inc.
121 STRYKER LANE
BLDG. 30, SUITE 1
HILLSBOROUGH, NJ 08844

Catalog no.: 021010
Product name: 5,7-Dimethoxyflavone
(Methylated Chrysin)
Lot No.: 1209243

Me-CHR-10kg 1H NMR CDC13

DFILE Me-CHR-10kg.als
COMINT Me-CHR-10kg 1H NMR CDC13
DATIM Mon Sep 17 10:45:49 2012
OENUC 1H
EXMOD NON
OBERQ 399.65 MHz
OBSET 124.00 KHz
OBFIN 10500.00 Hz
POINT 65536
FREQU 7992.01 Hz
SCANS 16
ACQTM 8.2002 sec
PD 3.0000 sec
PWI 6.00 usec
IRNUC 1H
CTEMP 19.5 c
SLVNT CDCL3
EXREF 0.00 ppm
BF 0.30 Hz
RGAIN 23



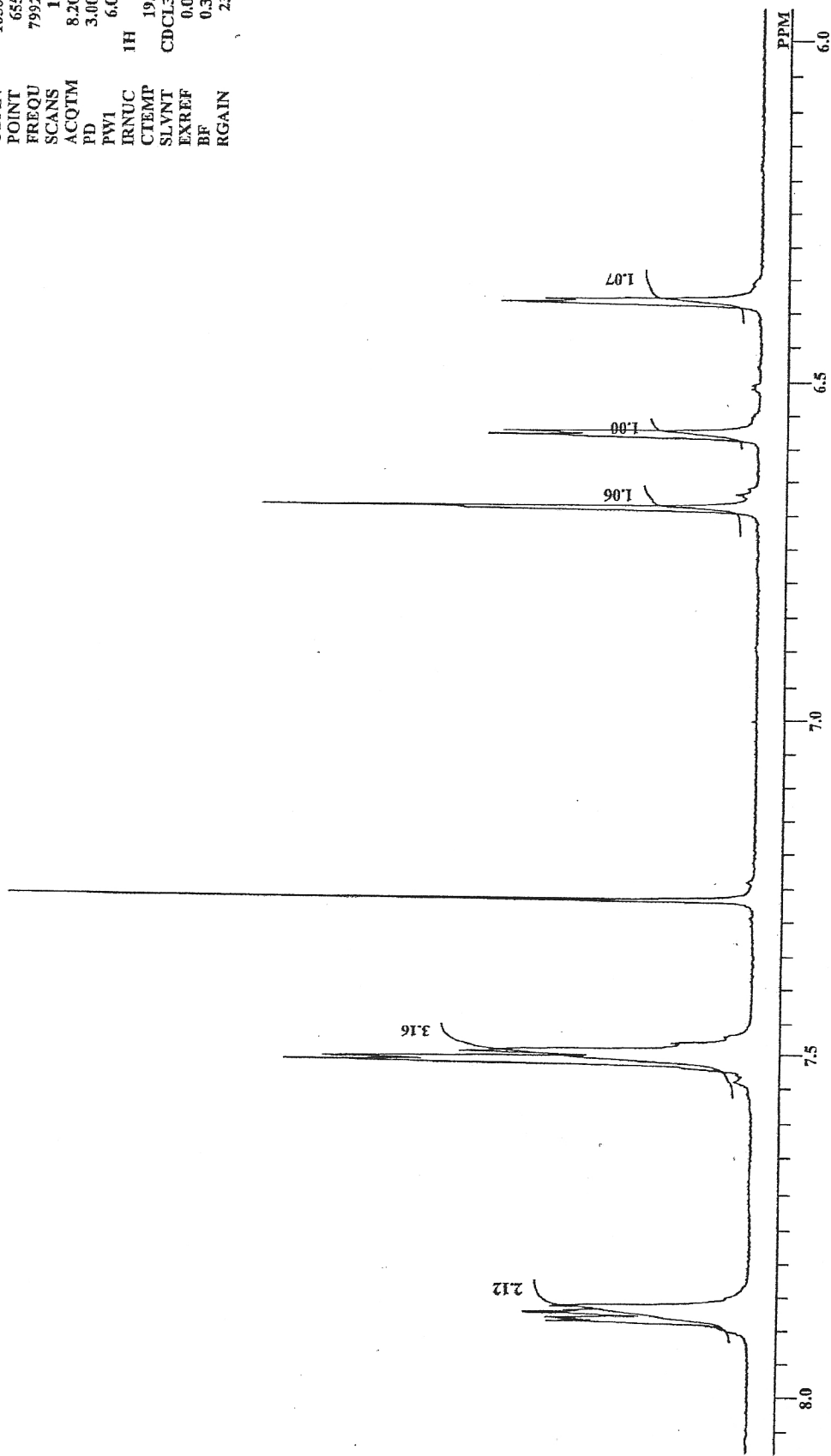


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(Methylated Chrysin)
Lot No.: 1209243

Me-CHR-10kg 1H NMR CDCl3

DFILE	Me-CHR-10kg.als
COMNT	Me-CHR-10kg 1H NMR CDCl3
DATIM	Mon Sep 17 10:45:49 2012
OBNUC	1H
EXMOD	NON
OBRFQ	399.65 MHz
OBSET	124.00 KHz
OBFIN	10500.00 Hz
POINT	65536
FREQU	7992.01 Hz
SCANS	16
ACQTM	8.2002 sec
PD	3.0000 sec
PW1	6.00 usec
IRNUC	1H
CTEMP	19.5 c
SLVNT	CDCl3
EXREF	0.00 ppm
BF	0.30 Hz
RGAIN	23





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Lot No.: 1209243

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ACQIM 8.2002 sec
PD 3.0000 sec
PW1 6.00 usec
IRNUC 1H
CTEMP 19.5 c
SLVNT CDCl3
EXREF 0.00 ppm
BF 0.30 Hz
RGAIN 23

