

**ICG** **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

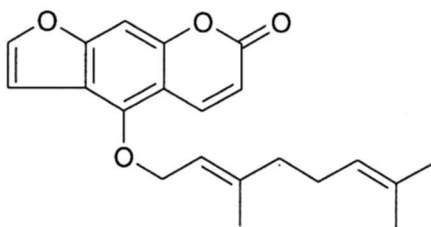
website: [www.indofinechemical.com](http://www.indofinechemical.com)

e-mail: [chemical@indofinechemical.com](mailto:chemical@indofinechemical.com)

**CERTIFICATE OF ANALYSIS**

**CAT. No.: 19-335**

<u>Product Name:</u>	<b>BERGAMOTIN</b>
<u>CAS No.:</u>	[7380-40-7]
<u>Lot Number:</u>	1204206
<u>Chemical Formula:</u>	C <sub>21</sub> H <sub>22</sub> O <sub>4</sub>
<u>Molecular Weight:</u>	338.4
<u>Melting Point:</u>	49-51°C
<u>Appearance:</u>	White powder
<u>Solubility:</u>	Soluble in Chloroform
<u>TLC:</u>	Hexane:Ethyl acetate (7:3)
<u>Storage:</u>	+2-8°C
<u>Moisture(KF):</u>	0.32%
<u>Purity (HPLC):</u>	99.6%





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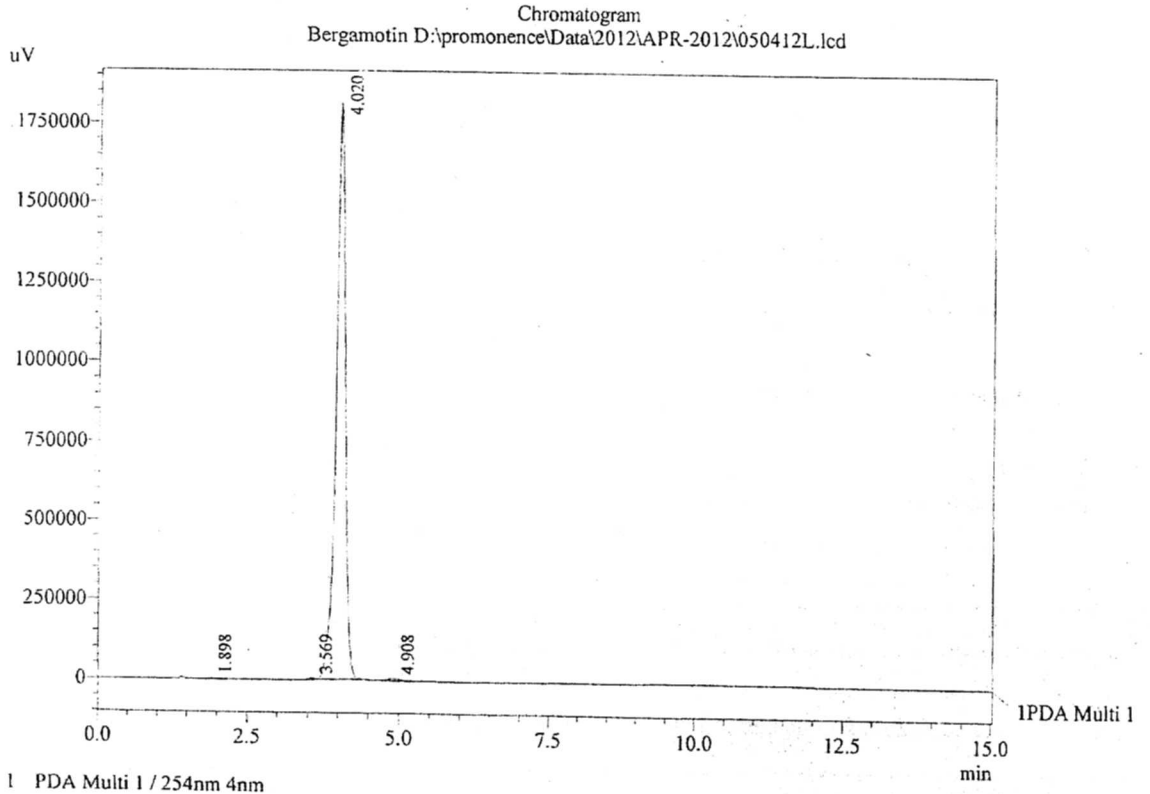
e-mail: [chemical@indofinechemical.com](mailto:chemical@indofinechemical.com)

## HPLC ANALYSIS

Acquired by : Sanjeev  
Sample Name : Bergamotin  
Sample ID : 35 gms Lot  
Injection Volume : 20 µL  
Data Filename : 050412L.lcd  
Method Filename : Linear Isocratic.M.lcm

Catalog No.: 19-335  
Product name: Bergamotin  
Lot No.: 1204206

Date Acquired : 4/5/2012 4:28:19 PM  
Data Processed : 4/5/2012 4:46:11 PM  
Column : Inertsil ODS-3V, (150mm x4.6mm 5.0µ)  
Flow : 1.200 mL/min.  
Mobile Phase : A(10% water) B(90% of Acetonitrile)



PeakTable

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:1.898	1.898	19395	0.10	0.47
2	RT:3.569	3.569	22317	0.12	0.89
3	Bergamotin	4.020	18854856	99.39	1.00
4	RT:4.908	4.908	73802	0.39	1.22
Total			18970369	100.00	



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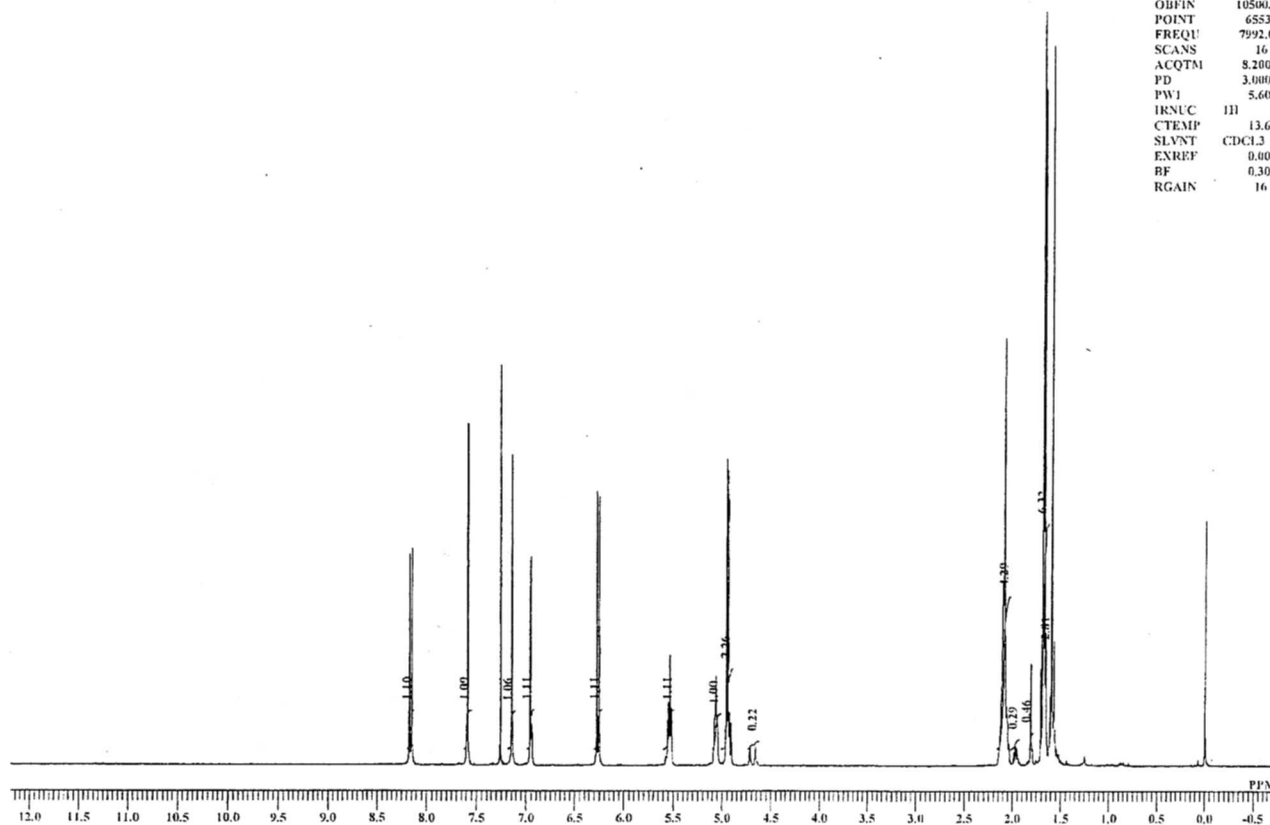
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Catalog No.: 19-335  
Product name: Bergamotin  
Lot No.: 1204206

BRG 35gm Lot 1H NMR CDCl3

DFILE BRG 35gm Lot 1Hals  
COMNT BRG 35gm Lot 1H NMR CDCl3  
DATIM Thu Apr 05 17:17:12 2012  
1H  
OBNUC 1H  
EXMOD NON  
OBFRQ 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 5.60 usec  
IRNUC 1H  
CTEMP 13.6 c  
SLVNT CDCl3  
XREF 0.00 ppm  
BF 0.30 Hz  
RGAIN 16





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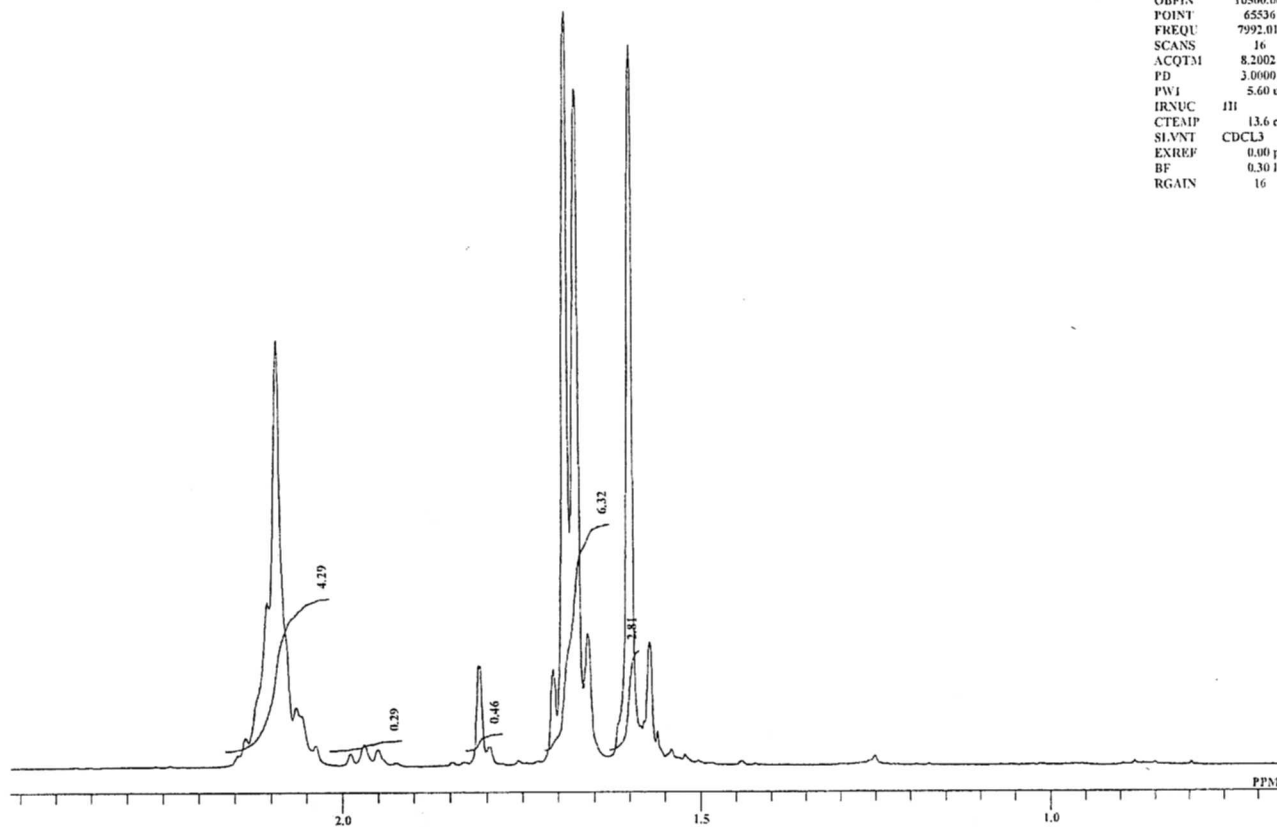
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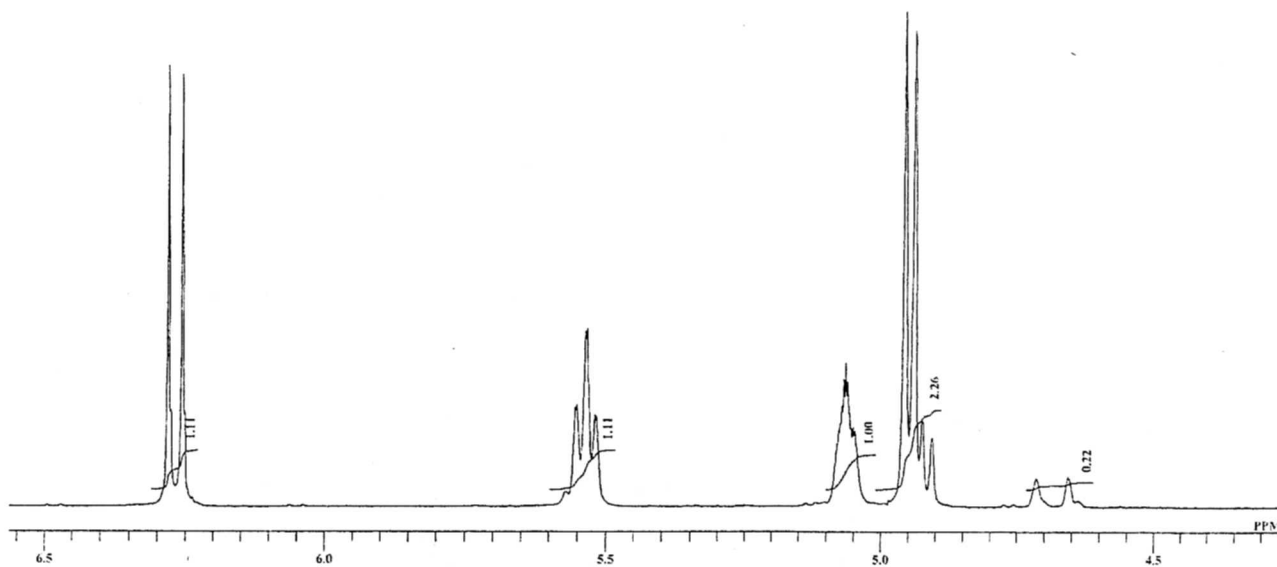
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