



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

Catalog Number: 020106S

Product Name: **GINSENOSIDE Rc with HPLC**

Chemical Family: Saponins

Cas Number: [11021-14-0]

Lot Number: 1309384

Chemical Formula: C₅₃H₉₀O₂₂

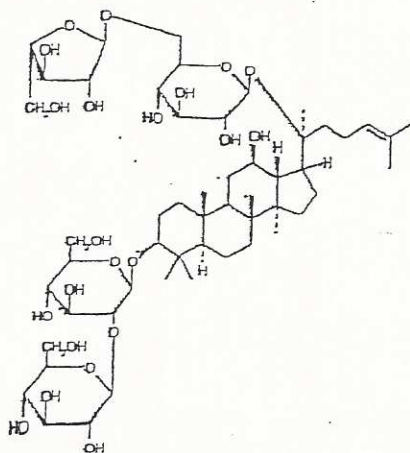
Molecular Weight: 1079.29

Appearance: White powder

NMR Spectrum: Enclosed

Storage: This product Store at room temperature in a dry and dark place. weeks. However, optimum long-term storage may require lower temperature (<-18°C). Place in a desiccator under vacuum before use.

Purity(HPLC): 99.88%





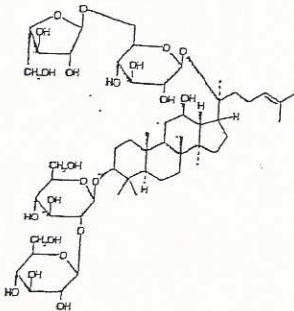
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HPLC ANALYSIS

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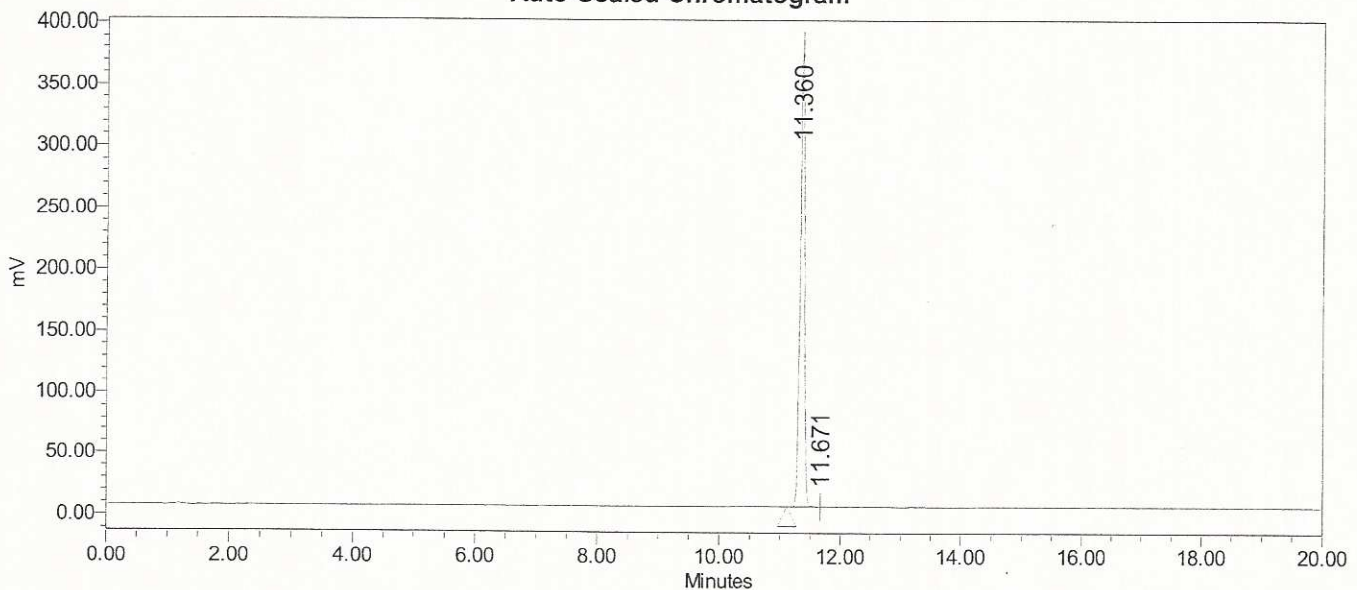
Lot No.: 1309384

SAMPLE INFORMATION

Sample Name: Ginsenoside Rc
Sample Type: Unknown
Vial: 1:F,5
Injection #: 1
Injection Volume: 10.00 ul
Run Time: 22.0 Minutes

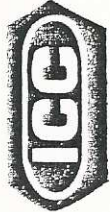
Sample Set Name:
Acq. Method Set: Ginsenoside Rc
Processing Method: Ginsenoside Rc
Channel Name: SATIN
Proc. Chnl. Descr.:

Auto-Scaled Chromatogram



Peak Results

Name	RT	Area	% Area	USP Plate Count	USP Resolution
1	11.360	1866875	99.88	120761.27	
2	11.671	2235	0.12		2.33

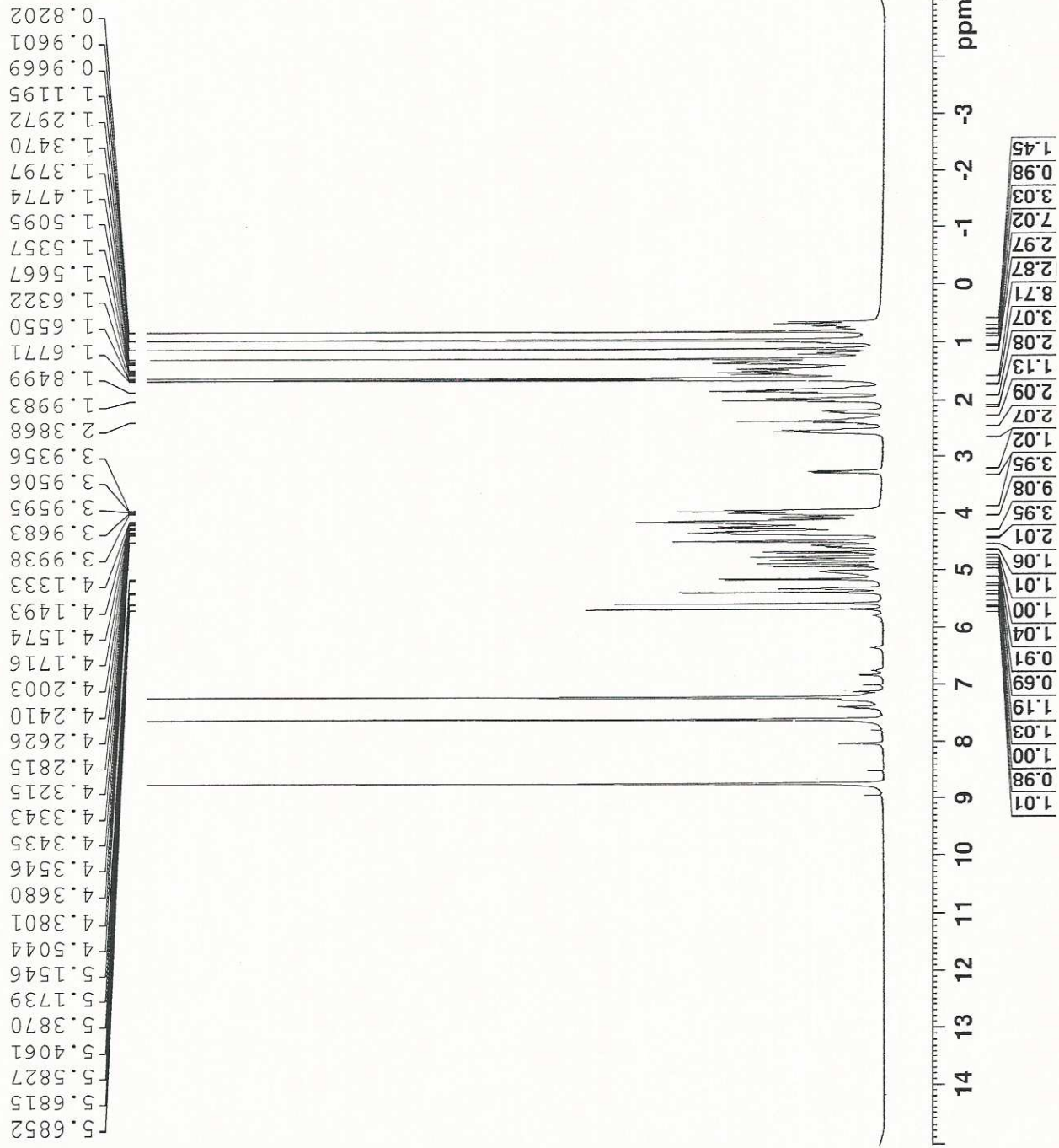
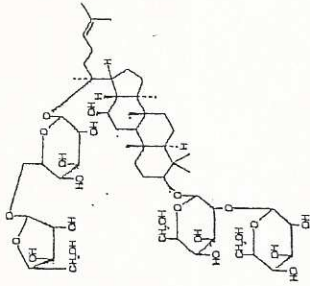


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 HILLSBOROUGH, NJ 08844

Catalog No.: 020106S
 Product Name: Ginsenoside Rc
 Lot No.: 1309384

GRC

PROTON Pyr {E:\nmrdata\lizeyun} lzy 7



Current Data Parameters
 NAME 09142013
 EXPNO 7
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20130914
 Time 16.30
 INSTRUM spect
 PROBHD 5 mm PABBO BB-
 PULPROG zgpi
 TD 65536
 SOLVENT Pyr
 NS 16
 DS 2
 SWH 8012.820 Hz
 FIDRES 0.122266 Hz
 AQ 4.0894165 sec
 RG 101
 DW 62.400 usec
 DE 6.50 usec
 TE 298.1 K
 D1 1.00000000 sec
 D12 0.00002000 sec
 TD0 1

==== CHANNEL f1 =====
 SFO1 400.1319893 MHz
 NUC1 1H
 P1 12.95 usec
 PLW1 15.00000000 W
 PLW9 0.00001000 W

F2 - Processing parameters
 SI 65536
 SF 400.1299858 MHz
 WDW EM
 SSB 0
 LB 0
 GB 0
 PC 1.00

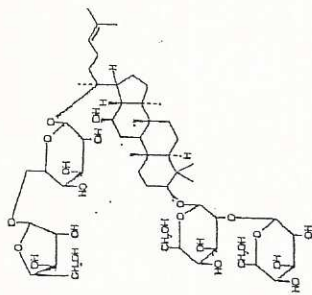


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GRC

PROTON Pyr {E:\nmrdata\lizeyun} lzy 7



2.5761	2.5538	2.4159	2.3868	2.2202	2.1948	2.0249	1.9983	1.9714	1.8805	1.8499	1.8286	1.6771	1.6550	1.6322	1.5667	1.5357	1.5095	1.4774	1.4391	1.3797	1.3470	1.2972	1.2157	1.1853	1.1195	1.0219	0.9969	0.9669	0.9601	0.8202	0.7625	0.7362	0.6870	0.6587
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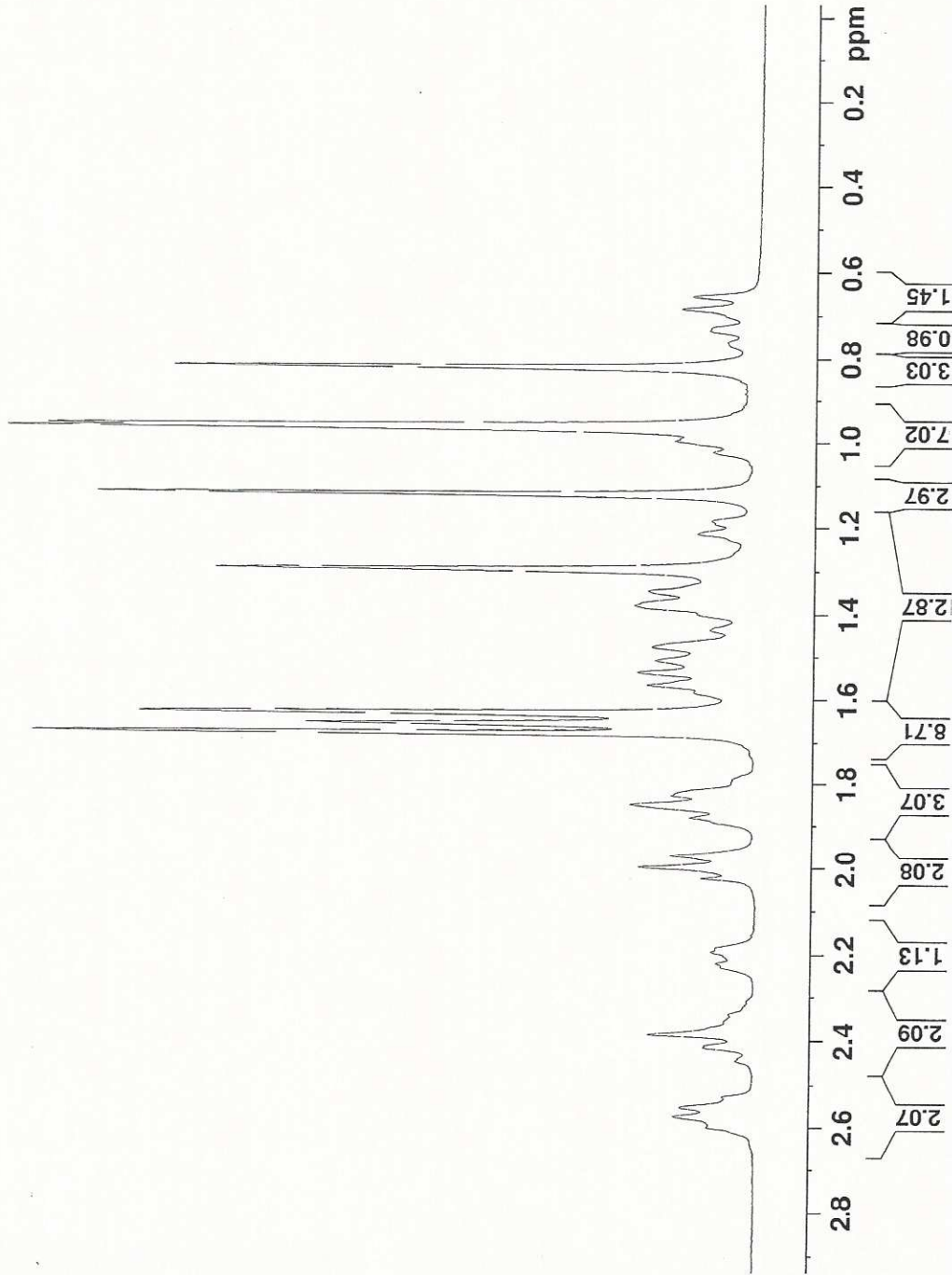
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 EXPNO 7
 PROCNO 1

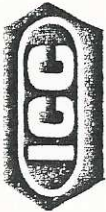
F2 - Acquisition Parameters

Date_ 20130914
 Time 16.30
 INSTRUM spect
 PROBHD 5 mm PABBO BB-
 PULPROG zgpr
 TD 63536
 SOLVENT Pyr
 NS 16
 DS 2
 SWH 8012.820 Hz
 FIDRES 0.122266 Hz
 AQ 4.0894465 sec
 RG 101
 DW 62.400 usec
 DE 6.50 usec
 TE 298.1 K
 D1 1.00000000 sec
 D12 0.00002000 sec
 TD0 1

==== CHANNEL f1 =====
 SFO1 400.1319893 MHz
 NUC1 1H
 P1 12.95 usec
 PLW1 15.00000000 W
 PLW9 0.00001000 W

F2 - Processing parameters
 SI 65536
 SF 400.1299858 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

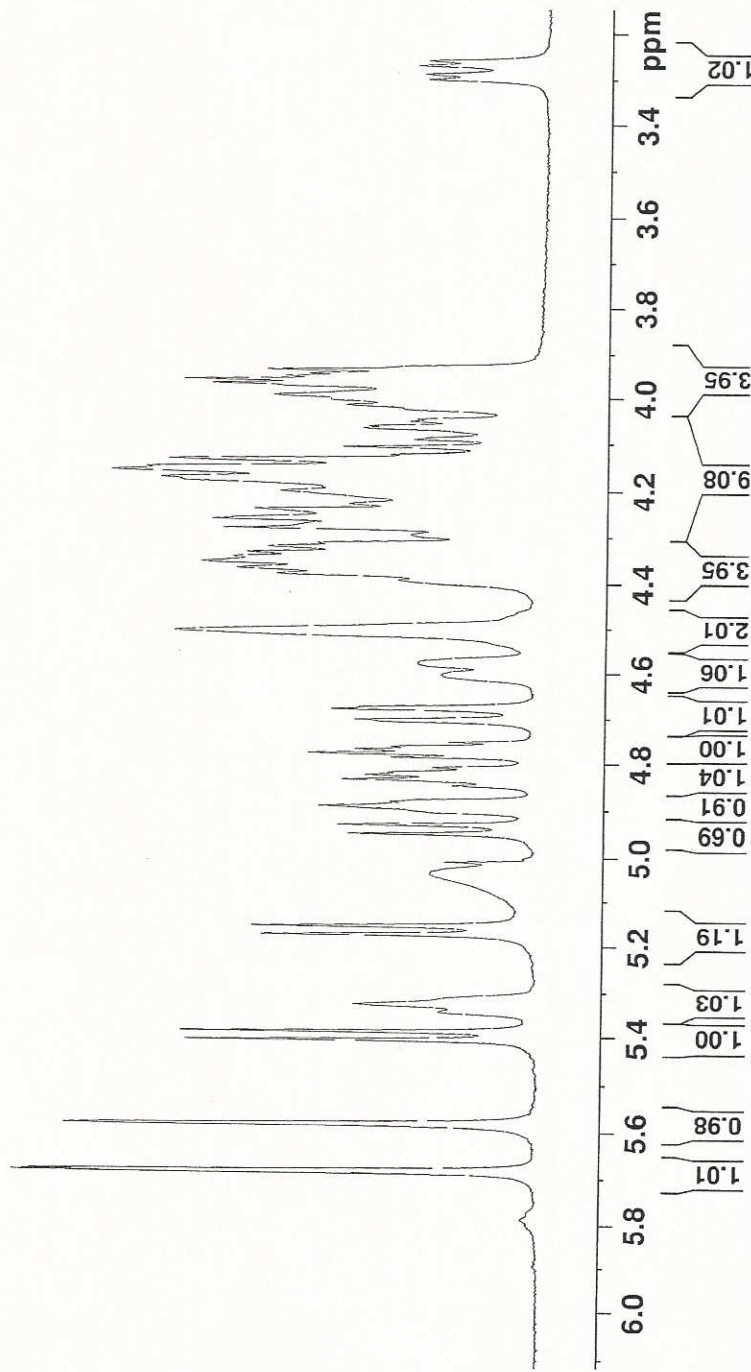
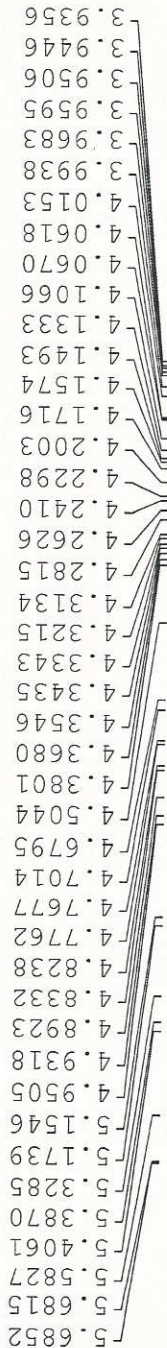
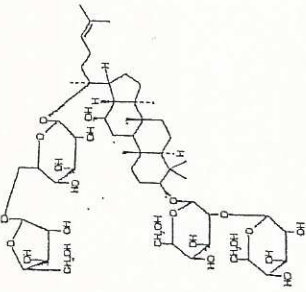




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 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00