



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

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CERTIFICATE OF ANALYSIS

Catalog Number: 020103S

Product Name: **GINSENOSIDE Re with HPLC**

Chemical Family: Saponins

Cas Number: [52286-59-6]

Lot Number: 1309386

Chemical Formula: $C_{48}H_{82}O_{18}$

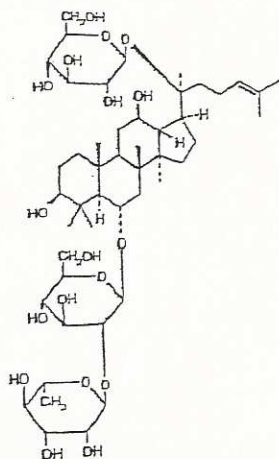
Molecular Weight: 947.17

Appearance: White powder

NMR Spectrum: Enclosed

Storage: This product is stable at ambient temperature for several weeks. However, optimum long-term storage may require lower temperature ($<-18^{\circ}\text{C}$). Place in a desiccator under vacuum before use.

Purity(HPLC): 98.86%





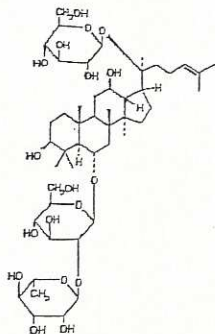
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HPLC ANALYSIS

Catalog No.: 020103S

Product Name: Ginsenoside Re

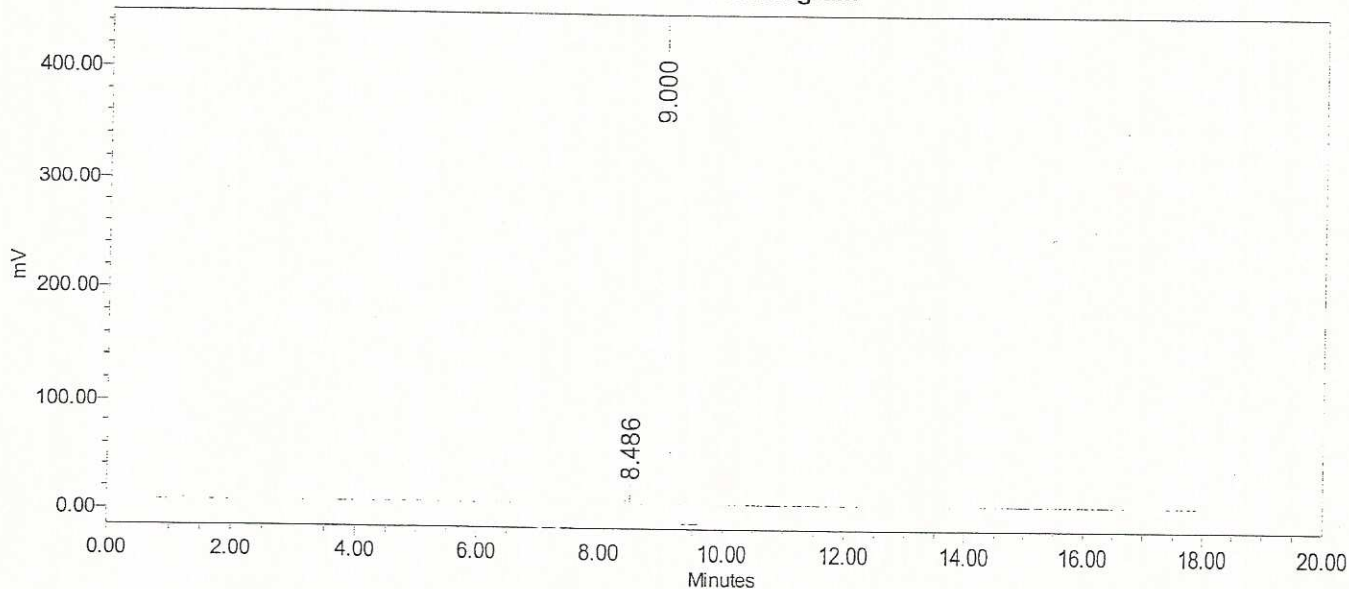
Lot No.: 1309386

SAMPLE INFORMATION

Sample Name: Ginsenoside Re
Sample Type: Unknown
Vial: 1:A,1
Injection #: 1
Injection Volume: 10.00 ul
Run Time: 20.0 Minutes

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

Auto-Scaled Chromatogram

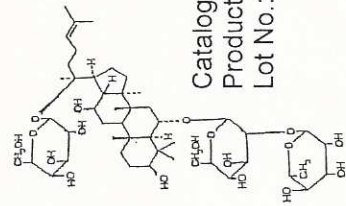


Peak Results

Name	RT	Area	% Area	USP Plate Count	USP Resolution
1	8.486	48262	1.14	14249.30	
2	9.000	4203237	98.86	17608.22	1.82



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BLDG. 30, SUITE 1
HILLSBOROUGH, NJ 08844



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Product Name: Ginsenoside Re
Lot No.: 1309386



Current Data Parameters
NAME zll-2013-ginsenosideRe
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters
Date_ 20130408
Time 16.07
INSTRUM av300
PROBHD 5 mm QNP 1H/13
PULPROG zg30
TD 32768
SOLVENT Pyr
NS 64
DS 0
SWH 5995.204 Hz
FIDRES 0.182959 Hz
AQ 2.7329011 sec
RG 128
DW 83.400 usec
DE 6.00 usec
TE 296.1 K
D1 1.00000000 sec
MCREST 0.00000000 sec
MCWRK 0.01500000 sec

===== CHANNEL f1 =====
NUC1 1H
P1 10.50 usec
PL1 0.10 dB
SFO1 300.1321009 MHz

F2 - Processing parameters
SI 32768
SF 300.1304436 MHz
WDW EM
SSB 0
LB 0.10 Hz
GB 0
PC 1.00

1D NMR plot parameters
CX 20.00 cm
CY 10.00 cm
F1P 12.000 ppm
F1 3601.57 Hz
F2P -0.500 ppm
F2 -150.07 Hz
PPMCM 0.62500 ppm/cm
HZCM 187.58151 Hz/cm

