



INDOFINE Chemical Company, Inc.

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

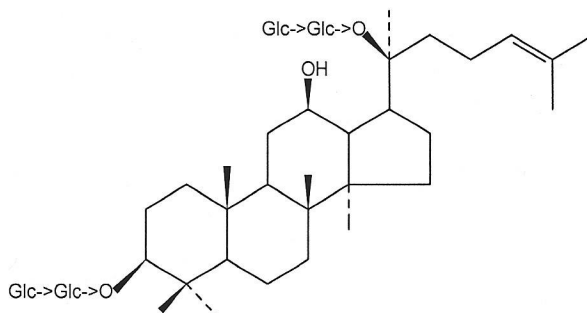
Phone: (908) 359-6778 • FAX: (908) 359-1179

website: www.indofinechemical.com

e-mail: chemical@indofinechemical.com

CERTIFICATE OF ANALYSIS

<u>Catalog Number:</u>	020105S
<u>Product:</u>	GINSENOSIDE Rb1 with HPLC
<u>Cas Number:</u>	[41753-43-9]
<u>Lot Number:</u>	20030330
<u>Chemical Formula:</u>	$C_{54}H_{92}O_{23}$
<u>Molecular Weight:</u>	1109.3
<u>Melting point:</u>	245-247°C
<u>Appearance:</u>	White crystalline powder
<u>TLC:</u>	Hexane : Ethyl acetate (7:3)
<u>Solubility:</u>	Soluble in DMF
<u>Storage:</u>	Cool dry place, to be kept in dessicator
<u>Assay(HPLC):</u>	99.19%





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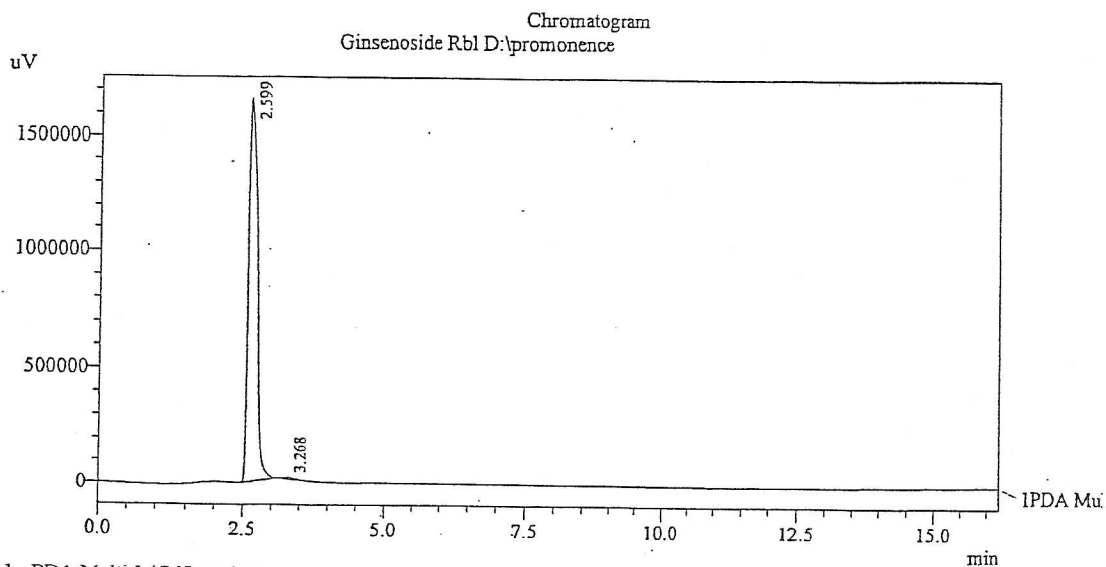
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HPLC ANALYSIS

Acquired by : Rama krishna
Sample Name : Ginsenoside Rb1
Sample ID :
Injection Volume : 20 uL
Data Filename : 101011C.lcd
Method Filename : Linear Isocratic.M.lcm

Catalog No.: 020105S
Product Name: Ginsenoside Rb1
Lot No.: 20030330

Description:
Column : Phenomenex C-18, 250X4.6mm 5.0µm
Flow : 1.000ML/min.
Mobile Phase : A(30% of 0.05% TFA in water) B(70% of Acetonitrile)



1 PDA Multi 1 / 240nm 4nm

PeakTable

PDA Ch1 240nm 4nm

Peak#	Ret. Time	Area	Height	Area %
1	2.599	17881481	1656648	99.197
2	3.268	144736	8254	0.803
Total		18026217	1664901	100.000