



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: 023579

Product Name: **beta-SITOSTEROL**

CAS Number: [83-46-5]

Lot Number: 11042125

Chemical Formula: C₂₉H₅₀O

Molecular Weight: 414.72

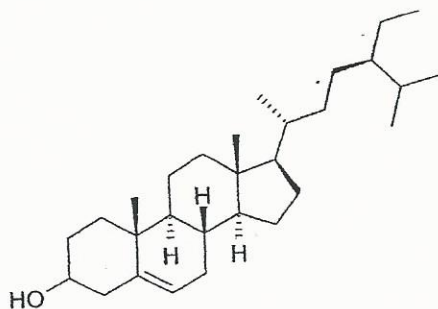
Appearance: White powder

Melting Point: 139-140°C

NMR Spectrum: Enclosed

Purity (HPLC): 83.88%

Storage: Store at 2-8°C, in a dry and dark place





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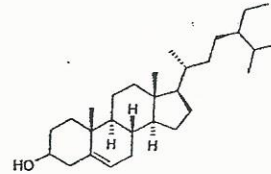
e-mail: chemical@indofinechemical.com

HPLC ANALYSIS

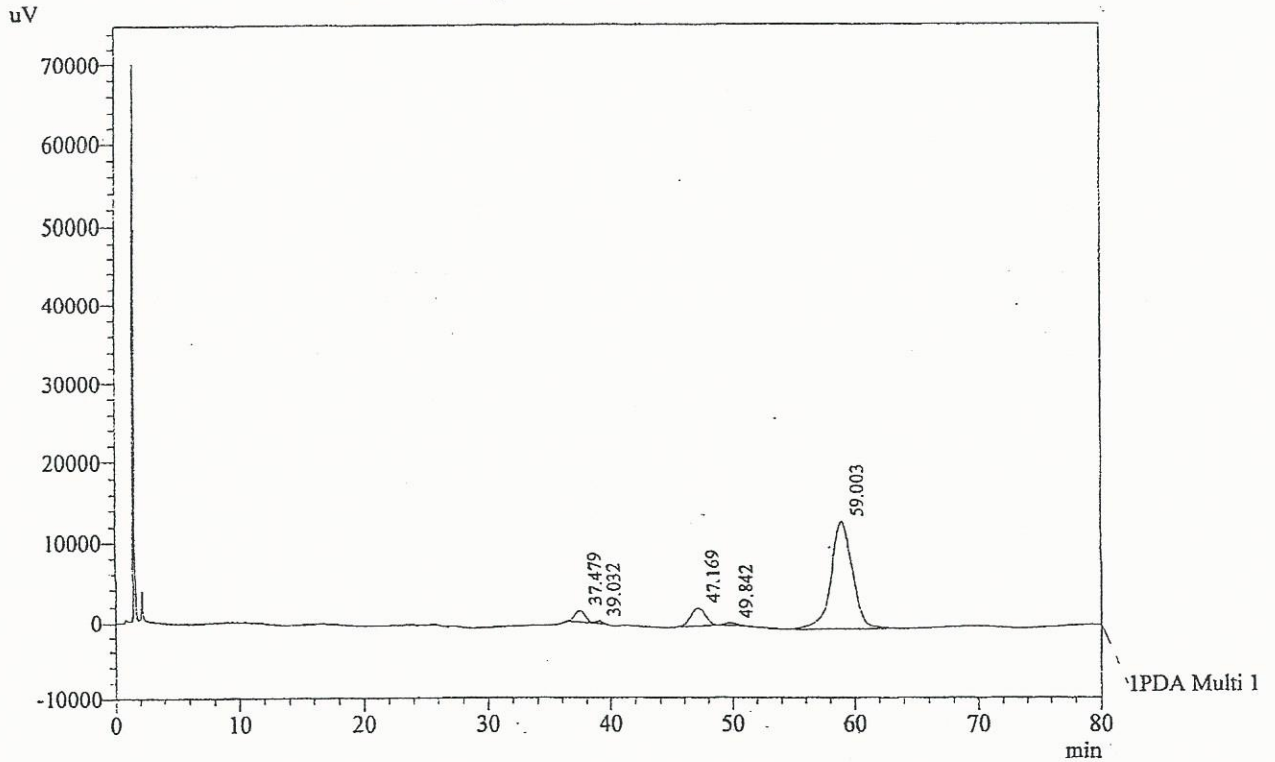
Acquired by : Sanjeev
Sample Name : beta-Sitosterol
Sample ID : Lot No:- 11042125
Injection Volume : 20 uL
Data Filename : 130213C.lcd
Method Filename : Linear Isocratic.M.lcm

Catalog No.: 023579
Product Name: beta-Sitosterol
Lot No.: 11042125

Column : Inertsil ODS-3V, (150mm x4.6mm 5.0μ)
Flow : 1.200 mL/min.
Mobile Phase : A(5% of water) B(95% of Acetonitrile)



Chromatogram
beta-Sitosterol D:\promonence\Data



1 PDA Multi 1 / 210nm 4nm

PeakTable

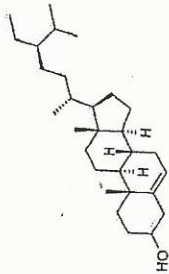
PDA Ch1 210nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:37.479	37.479	81759	4.24	0.64
2	RT:39.032	39.032	11638	0.60	0.66
3	RT:47.169	47.169	192729	9.99	0.80
4	RT:49.842	49.842	24961	1.29	0.84
5	beta-Sitosterol	59.003	1618627	83.88	1.00
Total			1929713	100.00	



INSTRUMENTAL CONTROL COMPANY, INC.
 121 STRYKER LANE
 BLDG. 30, SUITE 1
 HILLSBOROUGH, NJ 08844

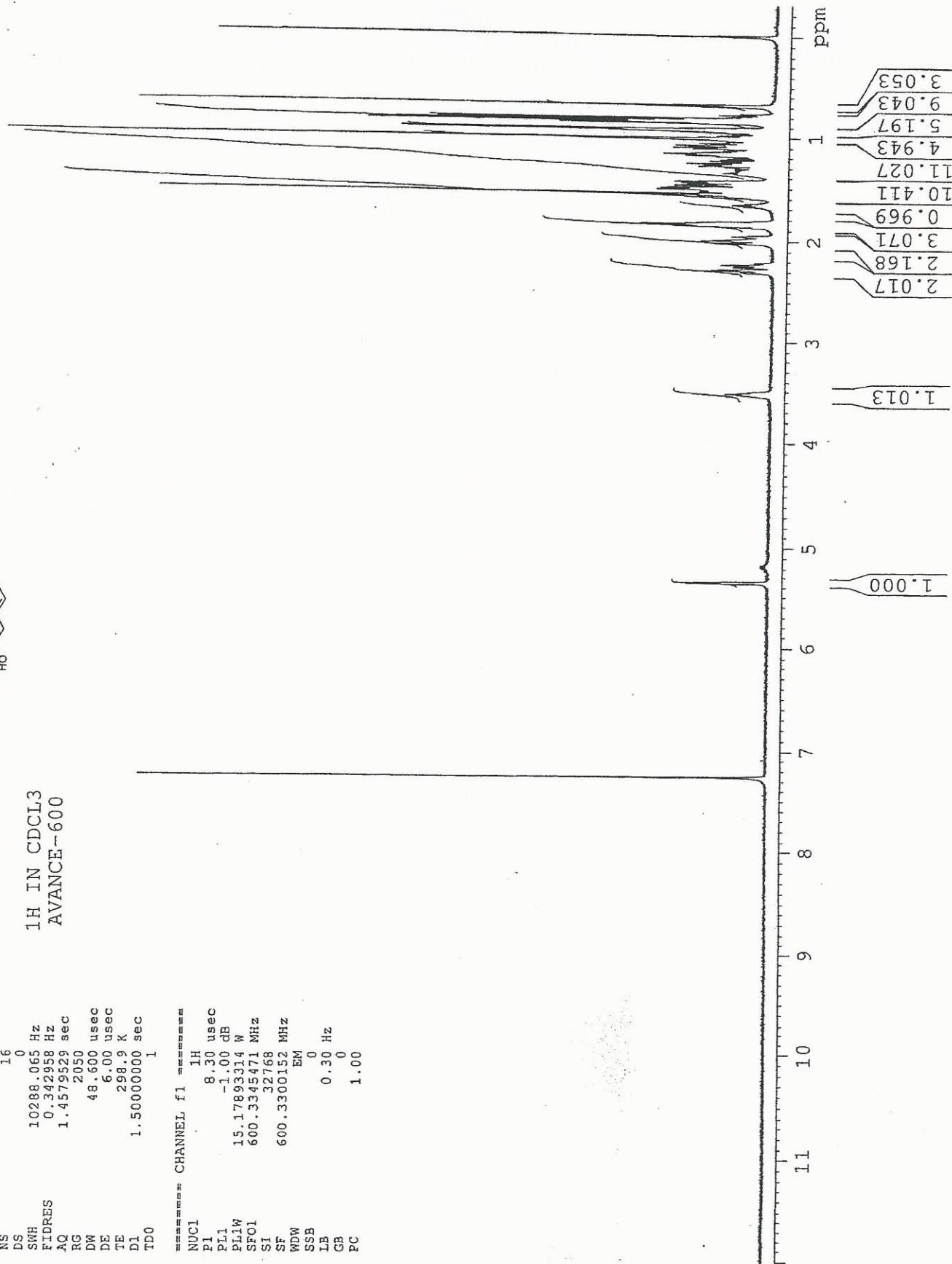
Catalog No.: 023579
 Product Name: beta-Sitosterol
 Lot No.: 11042125



SOLVENT CDC13
 NS 16
 DS 0
 SMH 10288.065 Hz
 FIDRES 0.342958 Hz
 AQ 1.4579529 sec
 RG 2050
 DW 48.600 usec
 DE 6.00 usec
 TE 298.9 K
 DA 1.50000000 sec
 TDO 1

1H IN CDCL3
 AVANCE-600

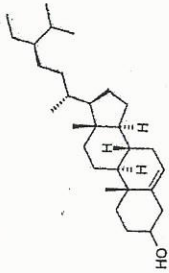
===== CHANNEL f1 =====
 NUC1 1H
 P1 8.30 usec
 PL1 -1.00 dB
 PL1W 15.17893314 W
 SF01 600.3345471 MHz
 SI 32768
 SF 600.3300152 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00





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Catalog No.: 023579
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 Lot No.: 11042125



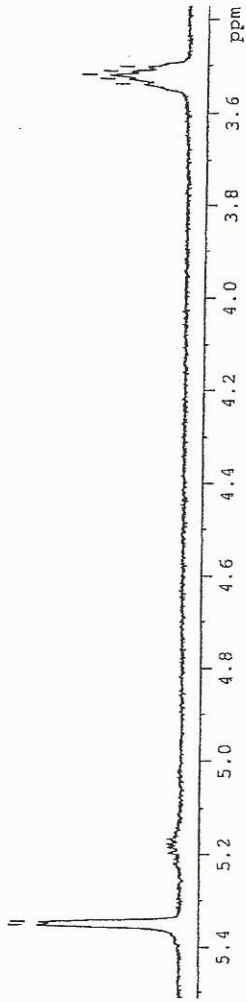
SOLVENT CDCL3
 NS 16
 DS 0
 SWH 10288.065 Hz
 FIDRES 0.342958 Hz
 AQ 1.4579529 sec
 RG 2050
 DW 48.600 usec
 DE 6.00 usec
 TE 298.9 K
 D1 1.50000000 sec
 TD0 1

1H IN CDCL3
 AVANCE-600

5.348
 5.356
 5.364

3.543
 3.532
 3.524
 3.516
 3.505

===== CHANNEL f1 =====
 NUC1 1H
 P1 8.30 usec
 PL1 -1.00 dB
 PL1W 15.17893314 W
 SF01 600.3345471 MHZ
 SI 32768
 SF 600.3300152 MHZ
 EM
 WDW 0
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00



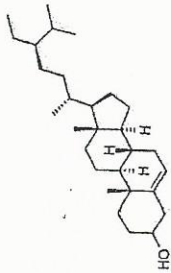
2.022
 2.001
 1.996
 1.962
 1.958
 1.859
 1.853
 1.837
 1.825
 1.680
 1.669
 1.661
 1.650
 1.598
 1.583
 1.567
 1.554
 1.536
 1.530
 1.507
 1.493
 1.486
 1.469
 1.450

2.3
 2.2
 2.1
 2.0
 1.9
 1.8
 1.7
 1.6
 1.5
 ppm



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 Product Name: beta-Sitosterol
 Lot No.: 11042125



1H IN CDCL3
 AVANCE-600

SOLVENT CDCL3
 NS 16
 DS 0
 SWH 10288.065 Hz
 FIDRES 0.342958 Hz
 AQ 1.457529 sec
 RG 2050
 DW 48.600 usec
 DE 6.00 usec
 TE 298.9 K
 D1 1.50000000 sec
 TDO 1

***** CHANNEL f1 *****
 NUC1 1H
 P1 8.30 usec
 PL1 -1.00 dB
 PL1W 15.17893314 W
 SF01 600.3345471 MHz
 SI 32768
 SF 600.3300152 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

