

 **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: 01-1523

Product Name: **VANILLYL ALCOHOL**
(4-Hydroxy-3-methoxybenzyl alcohol)

CAS Number: [498-00-0]

Lot Number: 1-97L

Chemical Formula: C₈H₁₀O₃

Molecular Weight: 154.17

Melting Point: 112-115°C

Appearance: Dull white powder

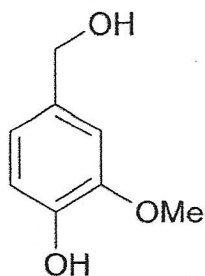
Solubility: Soluble in DMSO

TLC: Chloroform:Methanol (9:1)

NMR Spectrum: Enclosed (Confirms to the structure)

Storage: Store in a cool, dry place

Purity (HPLC): 98.58%





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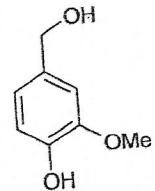
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HPLC ANALYSIS

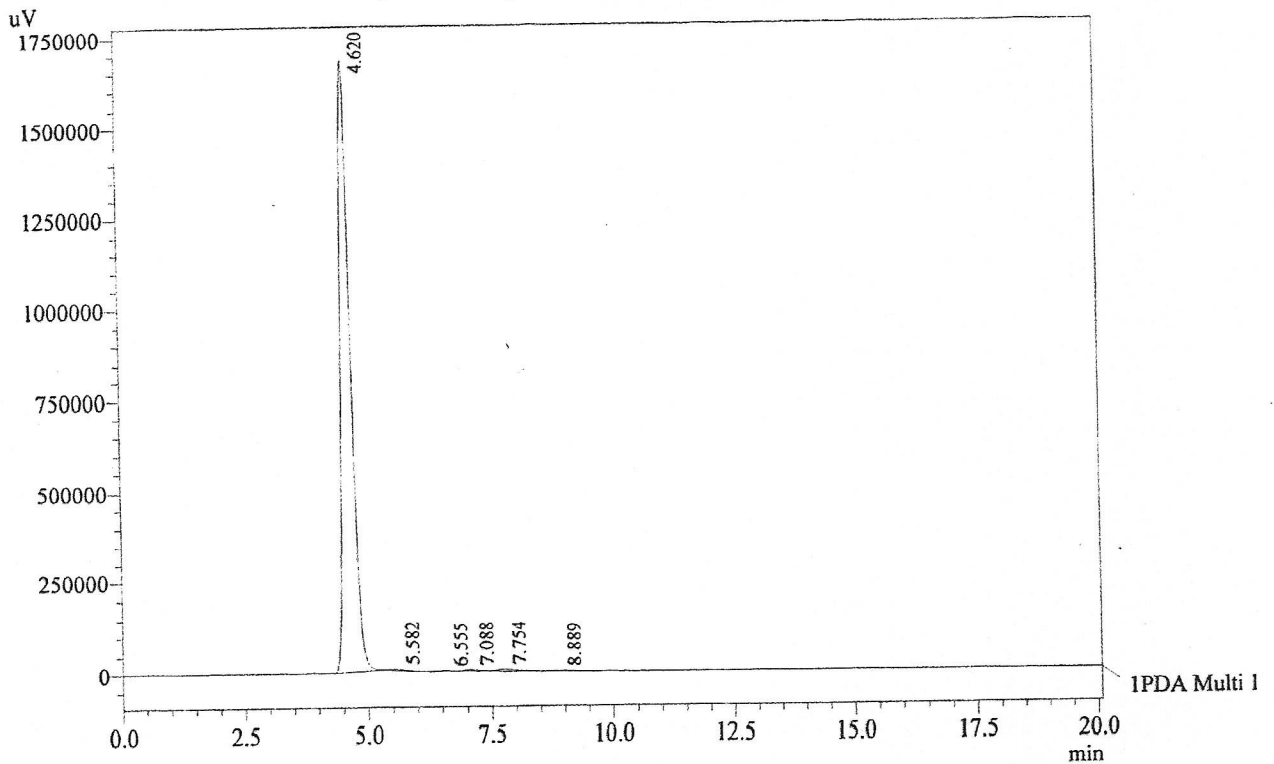
Acquired by : Sanjeev
 Sample Name : Vanillyl alcohol
 Sample ID : Lot No: 1-97-L
 Injection Volume : 20 uL
 Data Filename : 080713I.lcd
 Method Filename : Linear Isocratic.M.lcm

Catalog No.: 01-1523
 Product Name: Vanillyl Alcohol
 Lot No.: 1-97L



Column : LUNA C-18(2), (250mm x4.6mm 5.0µ)
 Flow : 0.600 mL/min.
 Mobile Phase : A(40% of 0.05% TFA in water) B(60% of Acetonitrile)

Chromatogram
 Vanillyl alcohol D:\promonence\Data\2013\July-2013\080713I.lcd



1 IPDA Multi 1 / 230nm 4nm

PeakTable

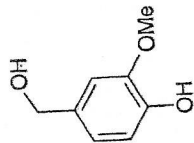
PDA Ch1 230nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	Vanillyl alcohol	4.620	23177874	98.58	1.00
2	RT:5.582	5.582	73303	0.31	1.21
3	RT:6.555	6.555	25014	0.11	1.42
4	RT:7.088	7.088	58515	0.25	1.53
5	RT:7.754	7.754	133083	0.57	1.68
6	RT:8.889	8.889	43690	0.19	1.92
Total			23511480	100.00	



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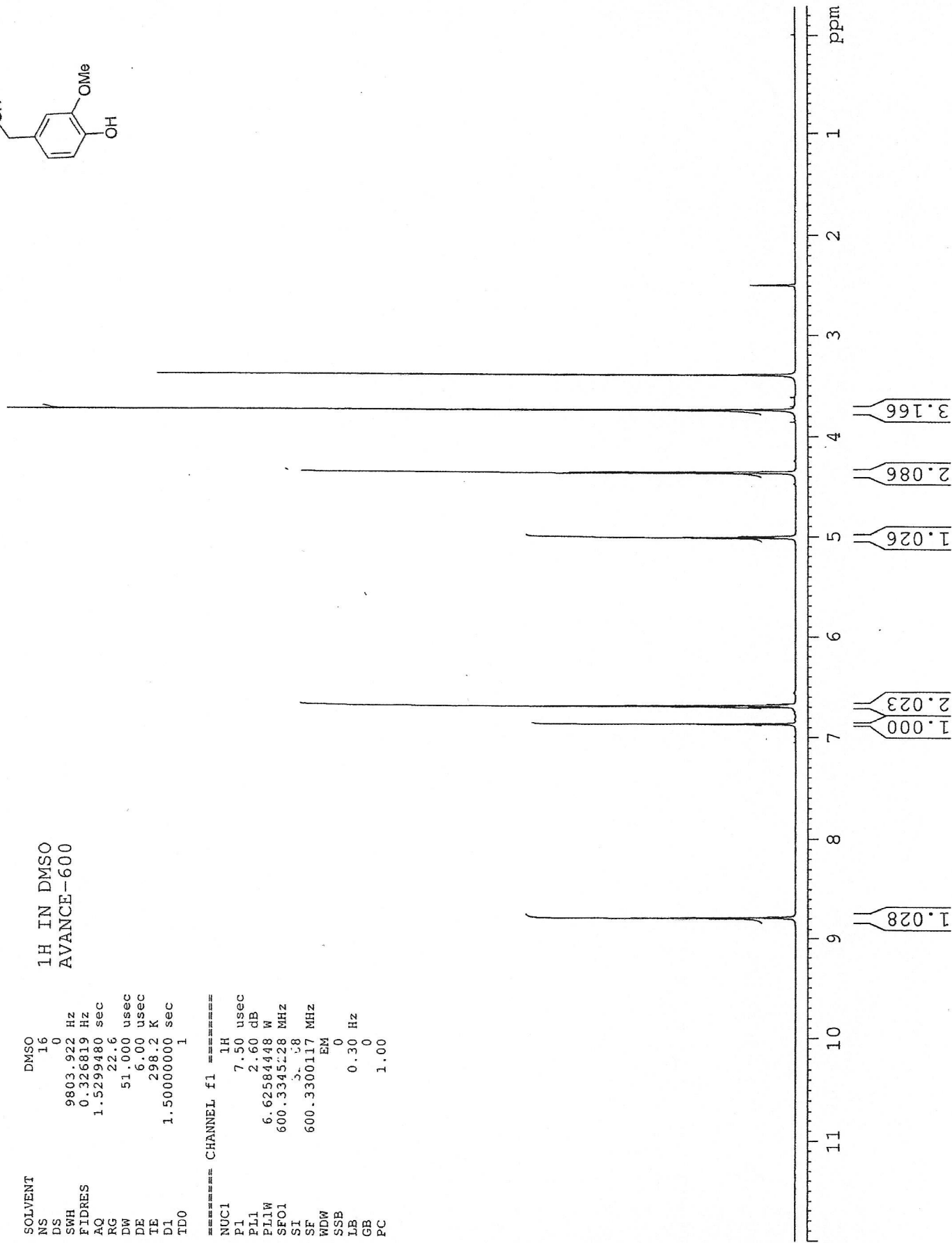
Catalog No.: 01-1523
 Product Name: Vanillyl Alcohol
 Lot No.: 1-97L



SOLVENT DMSO
 NS 16
 DS 0
 SWH 9803.922 Hz
 FIDRES 0.326819 Hz
 AQ 1.5299480 sec
 RG 22.6
 DW 51.000 usec
 DE 6.00 usec
 TE 298.2 K
 D1 1.50000000 sec
 TD0 1

1H IN DMSO
 AVANCE-600

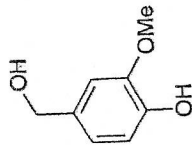
===== CHANNEL f1 =====
 NUC1 1H
 P1 7.50 usec
 PL1 2.60 dB
 PL1W 6.62584448 W
 SF01 600.3345228 MHZ
 SI 3.58
 SF 600.3300117 MHZ
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00





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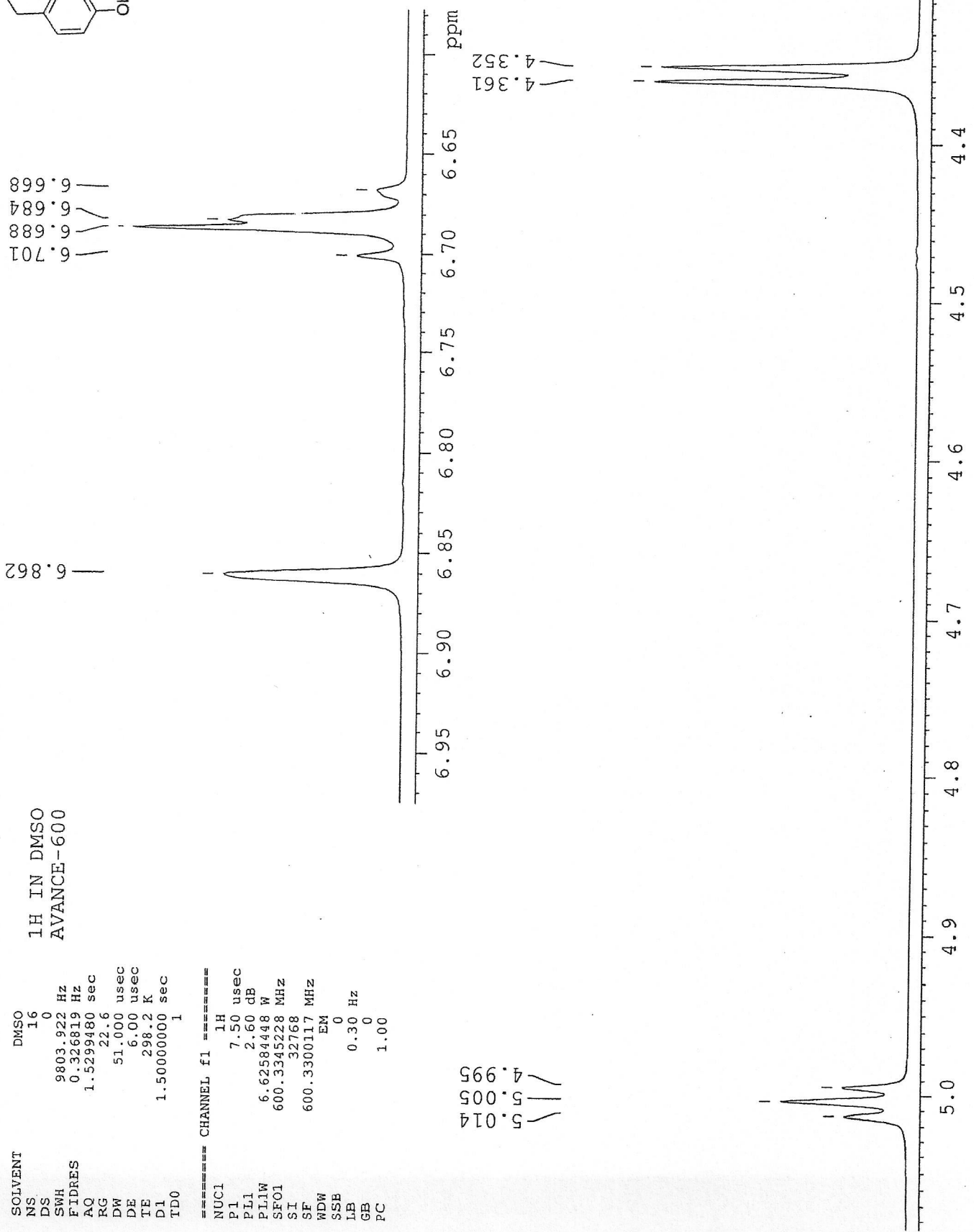
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1H IN DMSO
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==== CHANNEL f1 =====
 NUC1 1H
 P1 7.50 usec
 PL1 2.60 dB
 PL1W 6.62584448 W
 SF01 600.3345228 MHz
 SI 32768
 SF 600.3300117 MHz
 EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00



5.014
 5.005
 4.995

4.361
 4.352