



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

Cat No.: 06-027

Product:

SHIKIMIC ACID

([3R-(3- α -,4- α ,5- β)]-3,4,5-Trihydroxy-1-cyclohexene-1-carboxylic acid)

CAS Number:

[138-59-0]

Lot Number:

0406228

Chemical Formula:

$C_7H_{10}O_5$

Molecular Weight:

174.16

Melting Point:

186-188°C

Appearance:

Off white powder

Solubility:

Soluble in DMSO

TLC:

Chloroform:methanol (1:1)-KMnO₄ Charring

NMR Spectrum:

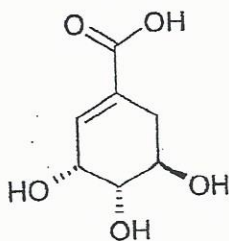
Enclosed

Storage:

Cool dry place

Purity (HPLC):

98.94%





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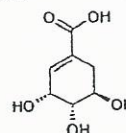
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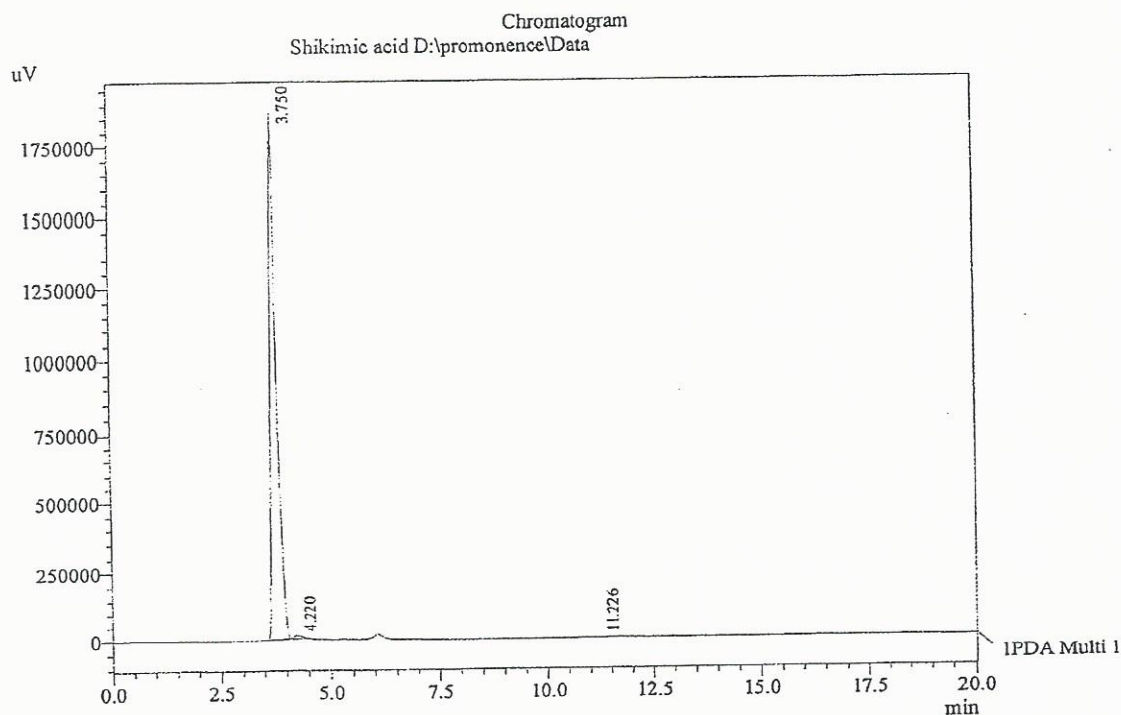
HPLC ANALYSIS

Acquired by : Sanjeev
Sample Name : Shikimic acid
Sample ID : Lot No: 0406228
Injection Volume : 20 uL
Data Filename : 3001130.lcd
Method Filename : Linear Isocratic.M.lcm

Catalog No.: 06-027
Product name: Shikimic acid
Lot No.: 0406228



Column : Inertsil ODS, (250mm x4.6mm 5.0μ)
Flow : 0.600 mL/min.
Mobile Phase : A(80% of 0.05M Ammonium acetate buffer) B(20% of Acetonitrile)



1 PDA Multi 1 / 210nm 4nm

PeakTable

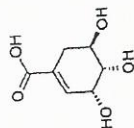
PDA Ch1 210nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	Shikimic acid	3.750	18248804	98.94	1.00
2	RT:4.220	4.220	167874	0.91	1.13
3	RT:11.226	11.226	28076	0.15	2.99
Total			18444755	100.00	



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121 STRYKER LANE
BLDG. 30, SUITE 1
HILLSBOROUGH, NJ 08844

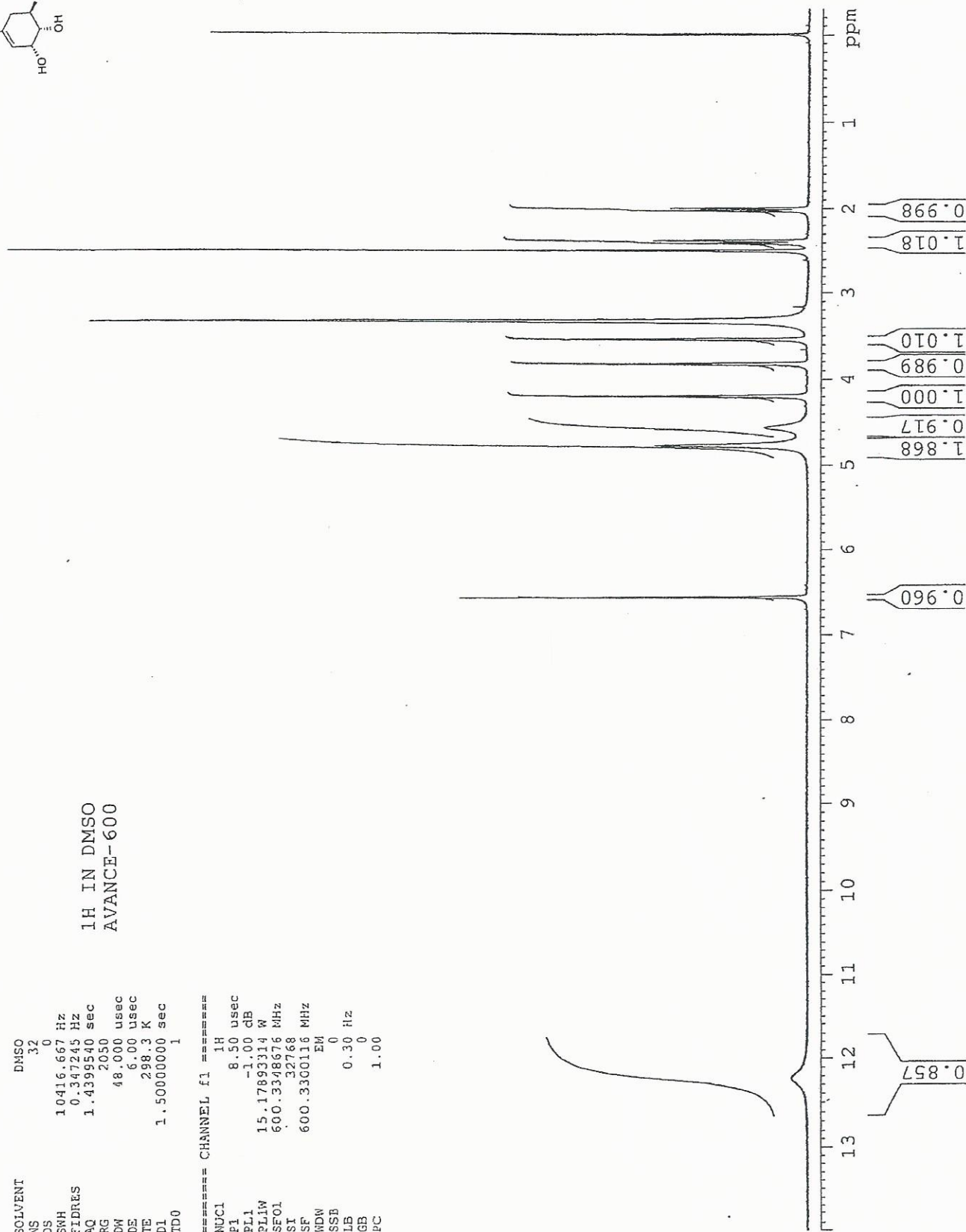
Catalog No.: 06-027
Product name: Shikimic acid
Lot No.: 0406228



SOLVENT DMSO
NS 32
DS 0
SWH 10416.667 Hz
FIDRES 0.347245 Hz
AQ 1.4399540 sec
RG 2050
DW 48.000 usec
DE 6.00 usec
TE 298.3 K
D1 1.5000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 8.50 usec
PL1 -1.00 dB
PL1W 15.17893314 W
SF01 600.3348676 MHz
SI 32768
SF 600.3300116 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

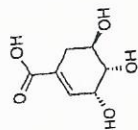
1H IN DMSO
AVANCE-600





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Catalog No.: 06-027
Product name: Shikimic acid
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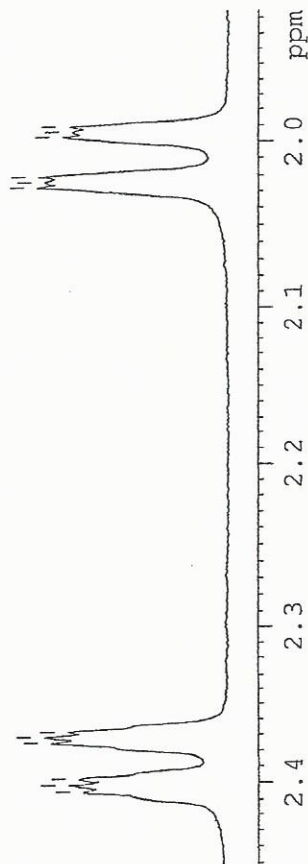
SOLVENT DMSO
NS 32
DS 0
SWH 10416.667 Hz
FIDRES 0.347245 Hz
AQ 1.4399540 sec
RG 2030
DW 48.000 usec
DE 6.00 usec
TE 298.3 K
D1 1.5000000 sec
TD0 1

1H IN DMSO
AVANCE-600

===== CHANNEL f1 =====
NUC1 1H
P1 8.50 usec
PL1 -1.00 dB
PL1W 15.1789314 W
SF01 600.3348676 MHz
SI 32768
SF 600.3300116 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

2.406
2.402
2.398
2.375
2.372
2.368

2.028
2.025
2.022
1.998
1.995
1.992



4.770

4.562

4.193

3.837
3.829
3.820
3.813

3.546
3.538
3.529

