



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: **C-001**

Product Name: **CAFFEIC ACID**
(3,4-Dihydroxycinnamic acid)

CAS Number: [331-39-5]

Lot Number: 96001

Chemical Formula: C₉H₈O₄

Molecular Weight: 180.16

Melting Point: 209-213°C (dec)

Appearance: Dark cream powder

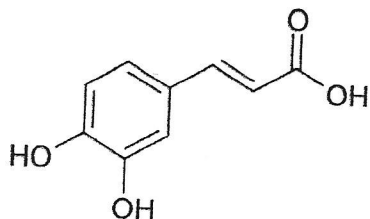
Solubility: Soluble in DMSO

TLC: Chloroform : Methanol (9:1)

NMR Spectrum: Enclosed (Conforms to the structure)

Storage: Store in a cool, dry place

Purity(HPLC): 93.56%





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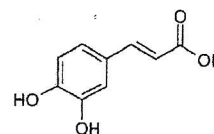
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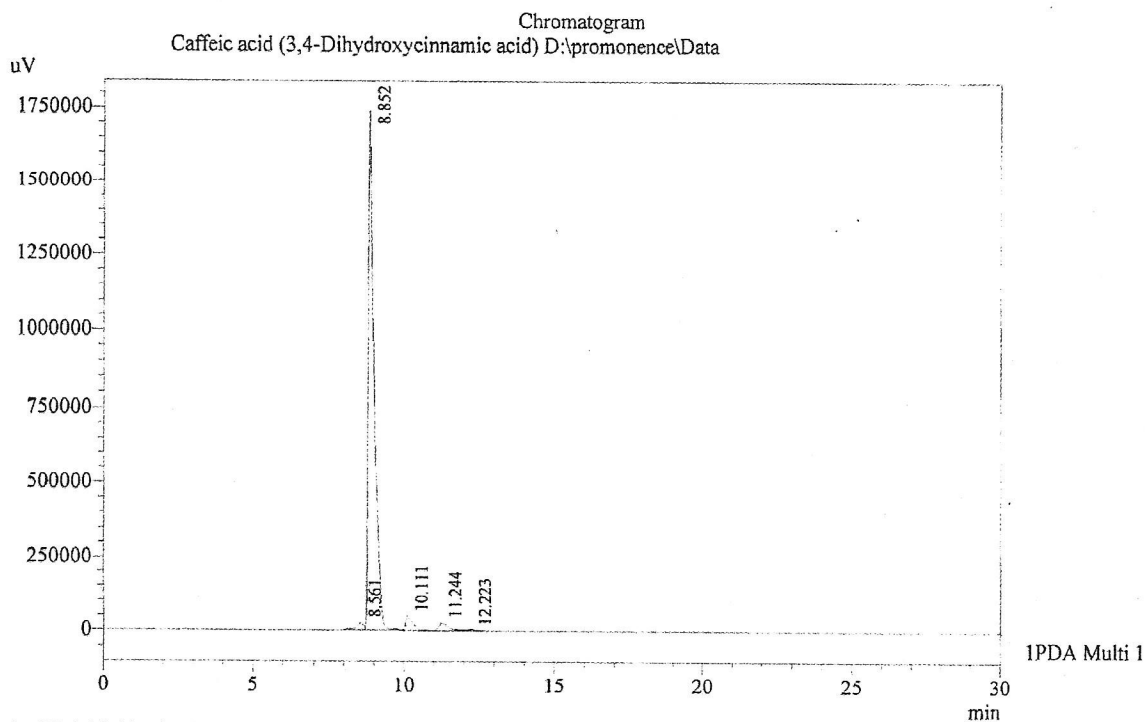
HPLC ANALYSIS

Acquired by : Sanjeev
 Sample Name : Caffeic acid (3,4-Dihydroxycinnamic acid)
 Sample ID : Lot No: 96001
 Injection Volume : 20 uL
 Data Filename : 030314K.lcd
 Method Filename : Linear Gradient.M.lcm

Catalog No.: C-001
 Product Name: Caffeic Acid
 Lot No.: 96001



Column : LUNA C-18(2), (250mm x4.6mm 5.0μ)
 Flow : 1.000 mL/min.
 Mobile Phase : A(0.05% TFA in water) B(Acetonitrile)
 0.01 90 10
 12.0 10 90
 20.0 10 90
 23.0 90 10
 30.0 90 10



PeakTable

PDA Ch1 240nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:8.561	8.561	344367	1.43	0.97
2	Caffeic acid	8.852	22463538	93.56	1.00
3	RT:10.111	10.111	684551	2.85	1.14
4	RT:11.244	11.244	484816	2.02	1.27
5	RT:12.223	12.223	31311	0.13	1.38
Total			24008584	100.00	



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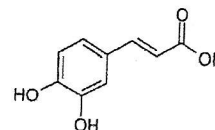
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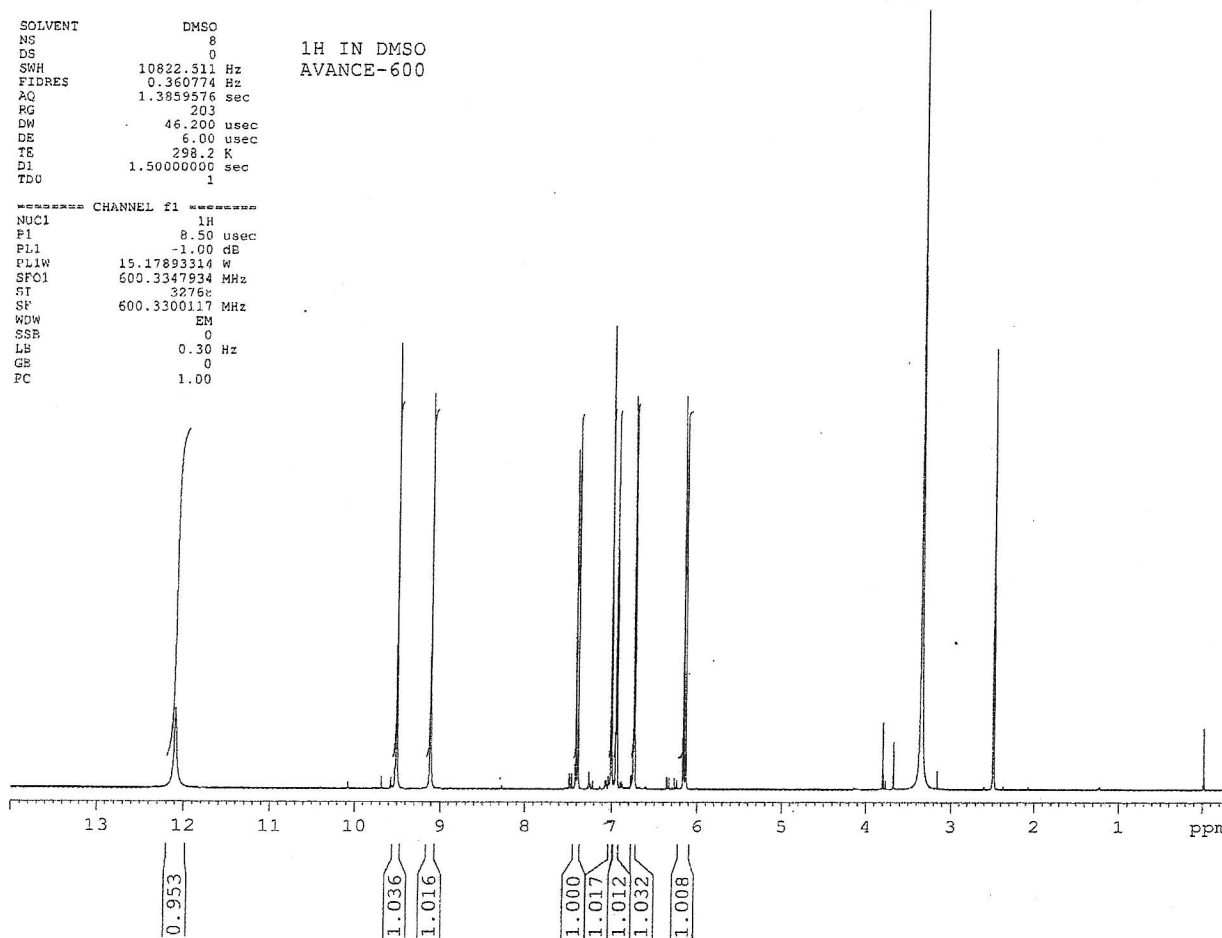
Catalog No.: C-001
Product Name: Caffeic Acid
Lot No.: 96001



SOLVENT DMSO
NS 8
DS 0
SWH 10822.511 Hz
FIDRES 0.360774 Hz
AQ 1.3859576 sec
RG 203
DW 46.200 usec
DE 6.00 usec
TE 298.2 K
D1 1.5000000 sec
TDC 1

1H IN DMSO
AVANCE-600

***** CHANNEL f1 *****
NUC1 1H
P1 8.50 usec
PL1 -1.00 dB
PL1W 15.17893314 W
SFO1 600.3347934 MHz
SI 32768
SF 600.3300117 MHz
WDW EM
SSB 0
LB 0.30 Hz
GE 0
PC 1.00





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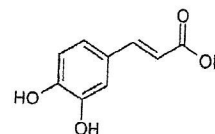
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