



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.: C-001N

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

CAS Number: [331-39-5]

Lot Number: 0012288

Source: Natural from coffee seeds

Chemical Formula: C₉H₈O₄

Molecular Weight: 180.16

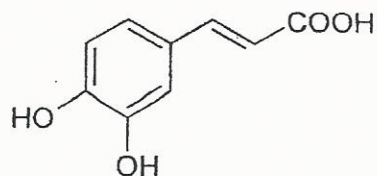
Melting Point: 202-210°C (dec)

Appearance: Dark cream colored powder

Solubility: Soluble in DMSO

TLC: Chloroform:methanol (1:1)

Purity: 95.31%



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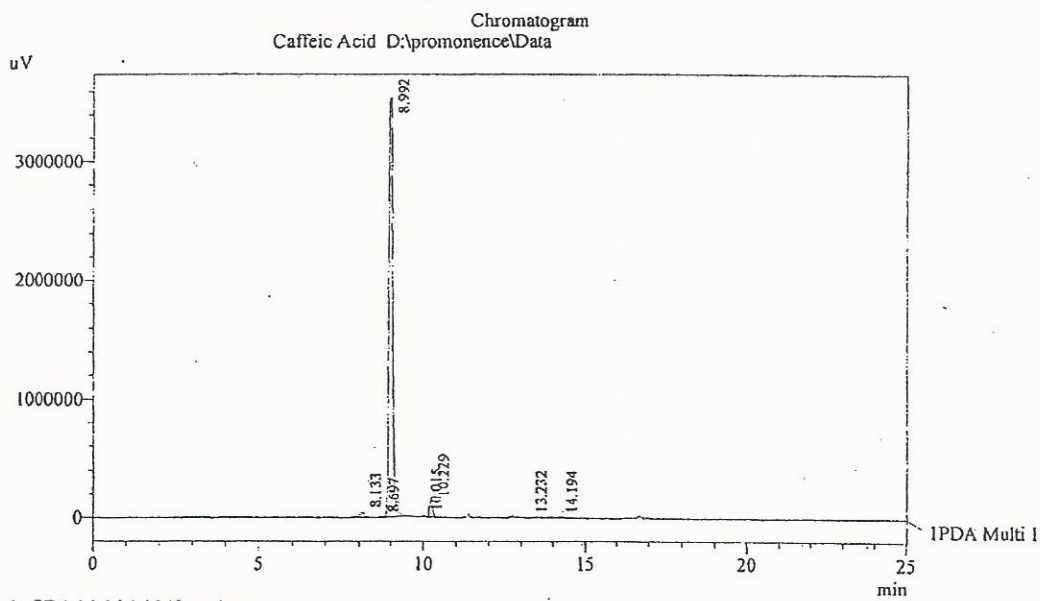
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HPLC ANALYSIS

Acquired by : Sanjeev
 Sample Name : Caffeic Acid
 Sample ID : Lot No:-0012288
 Injection Volume : 20 uL
 Data Filename : 1003121.lcd
 Method Filename : Linear Gradient.M.lcm

Catalog No.: C-001N
 Product name: Caffeic acid
 Lot No.: 0012288

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
 25.0 90 10



I PDA Multi 1 / 240nm 4nm

PeakTable

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:8.133	8.133	504123	1.57	0.90
2	RT:8.697	8.697	17158	0.05	0.97
3	RT:8.992	8.992	30664538	95.31	1.00
4	RT:10.015	10.015	65197	0.20	1.11
5	RT:10.229	10.229	915305	2.84	1.14
6	RT:13.232	13.232	2518	0.01	1.47
7	RT:14.194	14.194	4683	0.01	1.58
Total			32173522	100.00	



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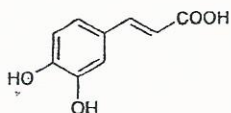
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Catalog No.: C-001N
Product name: Caffeic acid
Lot No.: 0012288

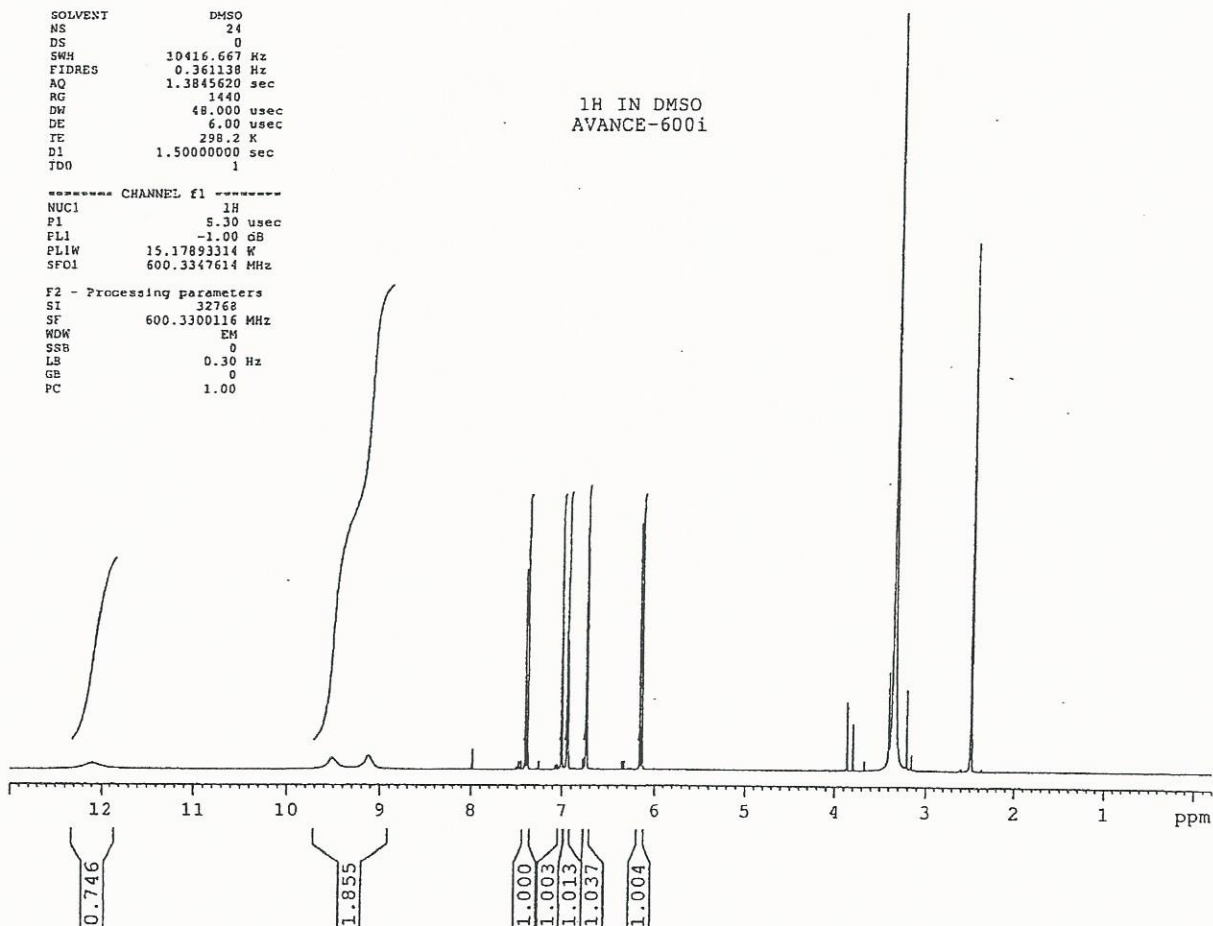


SOLVENT DMSO
NS 24
DS 0
SWH 10416.667 Hz
FIDRES 0.361138 Hz
AQ 1.3845620 sec
RG 1440
DW 48.000 usec
DE 6.00 usec
TE 298.2 K
D1 1.5000000 sec
TD0 1

----- CHANNEL f1 -----
NUC1 1H
P1 5.30 usec
PL1 -1.00 GB
PL1W 15.17893314 W
SFO1 600.3347614 MHz

F2 - Processing parameters
SI 32768
SF 600.3300116 MHz
WDW EM
SBB 0
LS 0.30 Hz
GB 0
PC 1.00

1H IN DMSO
AVANCE-600i





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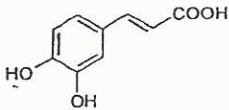
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1H IN DMSO
AVANCE-600i

----- CHANNEL f1 -----
NUC1 1H
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PL1 -1.00 dB
PL1W 15.17893314 W
SFO1 600.3347614 MHz

F2 - Processing parameters
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SF 600.3300116 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

