



# 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](http://www.indofinechemical.com)

e-mail: [chemical@indofinechemical.com](mailto:chemical@indofinechemical.com)

Phone: (908) 359-6778

Fax: (908) 359-1179

## CERTIFICATE OF ANALYSIS

Catalog Number: C-001

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

CAS Number: [331-39-5]

Lot Number: 0008192

Chemical Formula: C<sub>9</sub>H<sub>8</sub>O<sub>4</sub>

Molecular Weight: 180.16

Melting Point: 222-225°C

Appearance: Light yellow powder

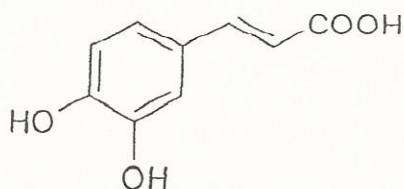
Solubility: Soluble in DMSO

TLC: Chloroform : Methanol (1:1)

NMR Spectrum: Enclosed (Confirms to the structure)

Storage: Cool dry place

Purity (HPLC): 99.36%





# 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

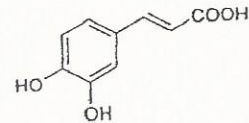
website: [www.indofinechemical.com](http://www.indofinechemical.com)

e-mail: [chemical@indofinechemical.com](mailto:chemical@indofinechemical.com)

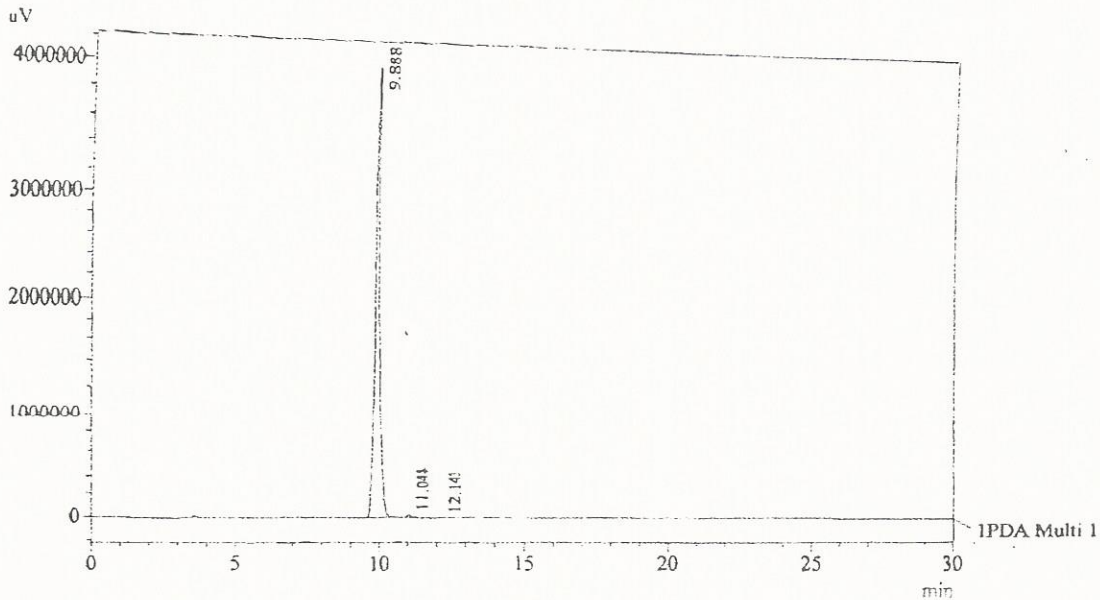
## HPLC ANALYSIS

Acquired by : Sanjeev  
 Sample Name : Caffeic acid(3,4-Dihydroxycinnamic acid)  
 Sample ID : Lot No: 0008192  
 Injection Volume : 20  $\mu$ L  
 Data Filename : 190613L.lcd  
 Method Filename : Linear Gradient.M.lcm

Catalog No.: C-001  
 Product Name: Caffeic acid  
 Lot No.: 0008192



Column : LUNA C-18(2), (250mm x4.6mm 5.0 $\mu$ )  
 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



1 PDA Multi 1 / 240nm 4nm

PeakTable

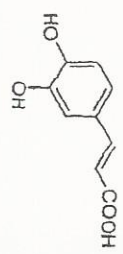
PDA Ch1 240nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	Caffeic acid	9.888	42796477	99.36	1.00
2	RT:11.044	11.044	252861	0.59	1.12
3	RT:12.143	12.143	24845	0.06	1.23
Total			43074182	100.00	



INDOFINE Chemical Company, Inc.  
 121 STRYKER LANE  
 BLDG. 30, SUITE 1  
 HILLSBOROUGH, NJ 08844

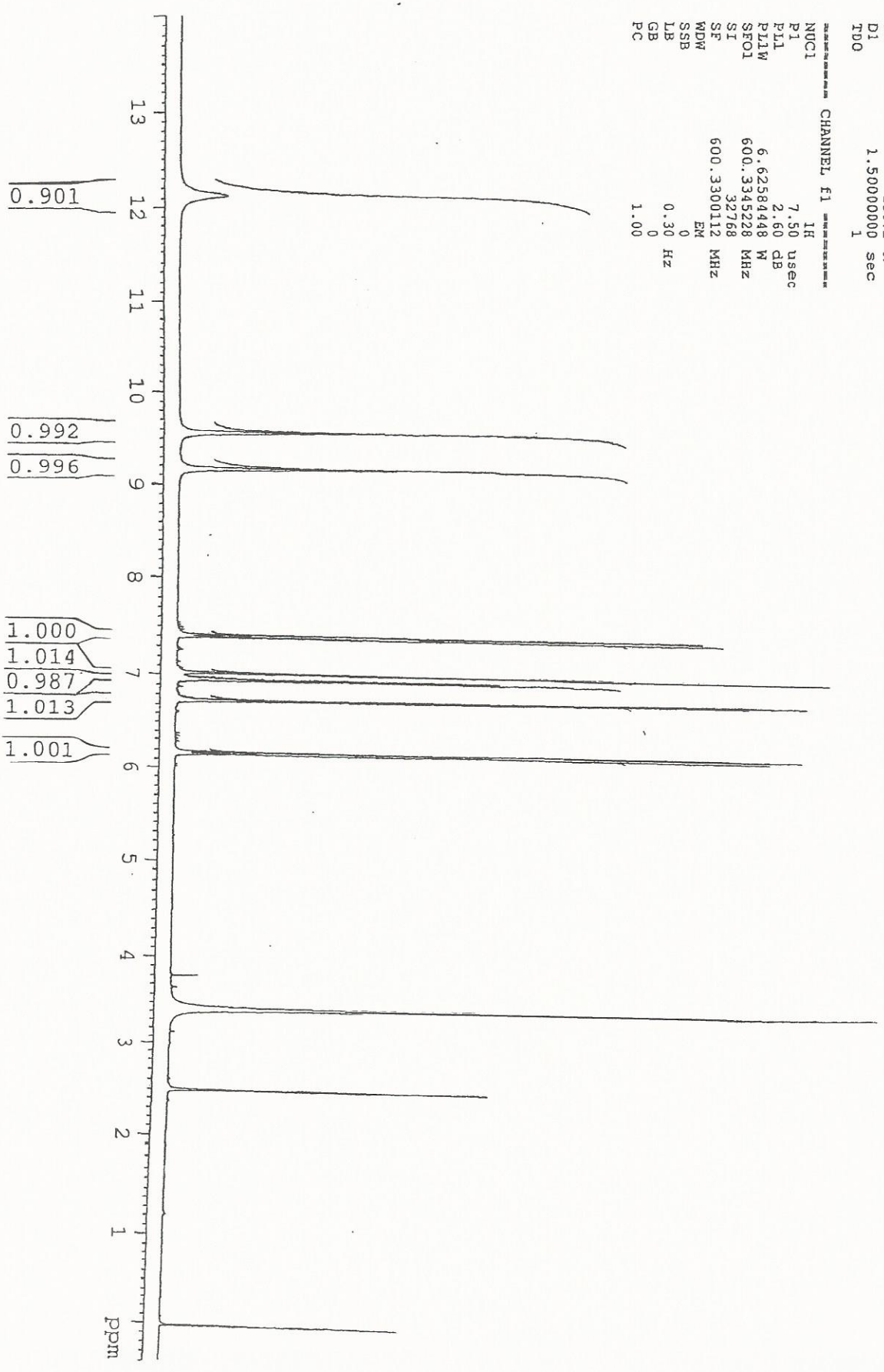
Catalog No.: C-001  
 Product Name: Caffeic acid  
 Lot No.: 0008192



SOIVENT DMSO  
 NS 16  
 DS 0  
 SMH 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  
 DI 1.50000000 sec  
 TDO 1

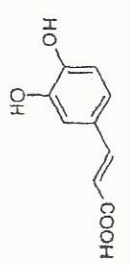
CHANNEL F1  
 NUCL 1H  
 P1 7.50 usec  
 P1L 2.60 db  
 P1LW 6.62584448 W  
 SF01 600.3345228 MHz  
 SI 32768  
 SF 600.3300112 MHz  
 WDW EM  
 SSB 0  
 LB 0.30 Hz  
 GB 0  
 PC 1.00

1H IN DMSO  
 AVANCE-600





INDUSTRIAL CHEMICAL COMPANY, INC.  
 121 STRYKER LANE  
 BLDG. 30, SUITE 1  
 HILLSBOROUGH, NJ 08844



Catalog No.: C-001  
 Product Name: Caffeic acid  
 Lot No.: 0008192

1H IN DMSO  
 AVANCE-600

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  
 DI 1.50000000 sec  
 ID0 1

CHANNEL F1

NUC1 1H  
 P1 7.50 usec  
 P1L 2.60 dB  
 P1LW 6.62584448 W  
 SFO1 600.3345228 MHz  
 SI 32768  
 SF 600.3300112 MHz  
 WDM EM  
 SSB 0  
 LB 0.30 Hz  
 GB 0  
 PC 1.00

