



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: 06-008

Product: **4-HYDROXYCINNAMIC ACID**
(4-Coumaric acid)

CAS Number: [7400-08-0]

Lot Number: 2004047

Chemical Formula: C₉H₈O₃

Molecular Weight: 164.16

Melting Point: 214-217°C

Appearance: Light cream colored powder

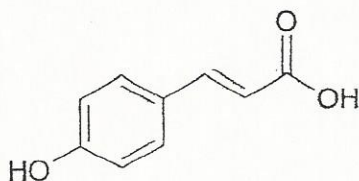
Solubility: Soluble in DMSO

TLC: Chloroform:methanol (9:1)

NMR Spectrum: Enclosed

Storage: Store in a cool, dry place

Purity(HPLC): 99.97%





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

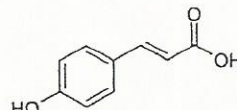
website: www.indofinechemical.com

e-mail: chemical@indofinechemical.com

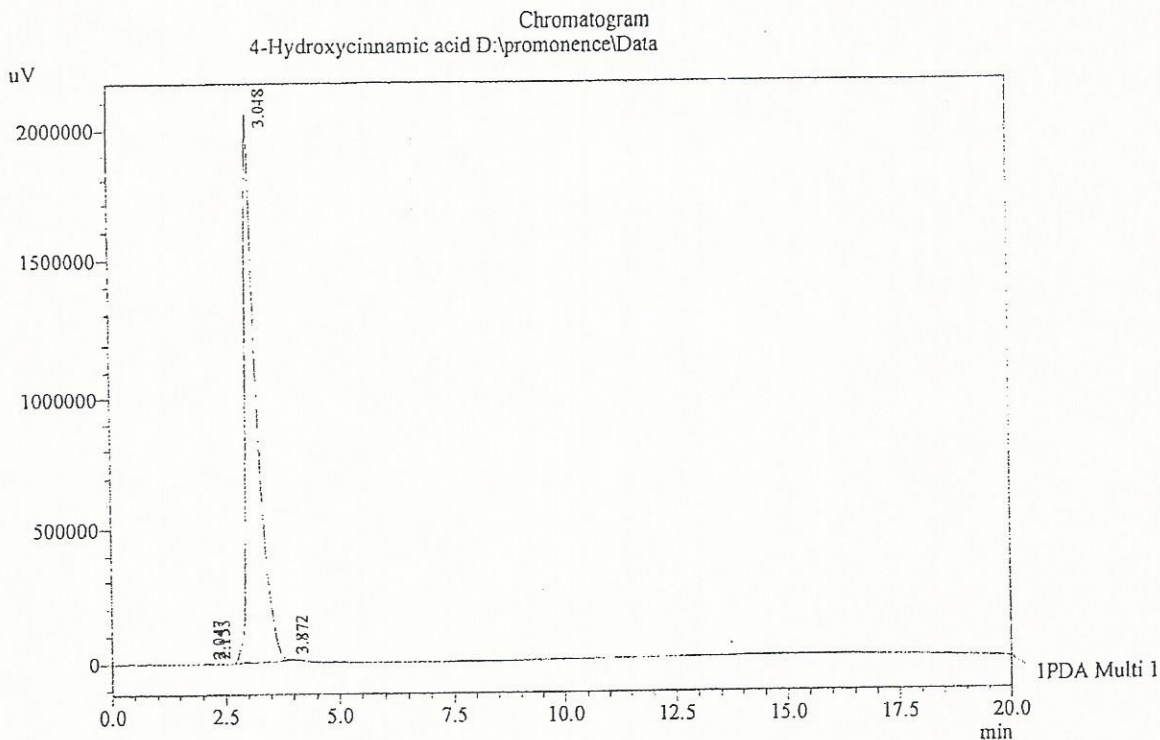
HPLC ANALYSIS

Acquired by : Sanjeev
Sample Name : 4-Hydroxycinnamic acid
Sample ID : Lot No:- 2004047
Injection Volume : 20 uL
Data Filename : 020413D.lcd
Method Filename : Linear Isocratic.M.lcm

Catalog No.: 06-008
Product name: 4-Hydroxycinnamic acid
Lot No.: 2004047



Column : LUNA C-18(2), (250mm x4.6mm 5.0µ)
Flow : 1.000 mL/min.
Mobile Phase : A(30% of Water) B(70% of Acetonitrile)



1 PDA Multi 1 / 230nm 4nm

PeakTable

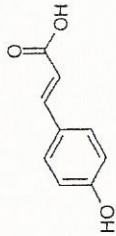
PDA Ch1 230nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:2.047	2.047	2581	0.01	0.67
2	RT:2.153	2.153	5031	0.01	0.71
3	4-Hydroxycinnamic acid	3.048	35374742	99.90	1.00
4	RT:3.872	3.872	28966	0.08	1.27
Total			35411320	100.00	



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

Catalog No.: 06-008
 Product name: 4-Hydroxycinnamic acid
 Lot No.: 2004047



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

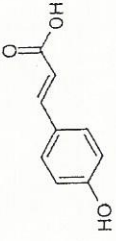
==== CHANNEL f1 =====
 NUC1 1H
 P1 7.50 usec
 PL1 2.60 dB
 PL1W 6.62584448 W
 SF01 600.3345228 MHz
 SI 32768
 SF 600.330016 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00





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

Catalog No.: 06-008
Product name: 4-Hydroxycinnamic acid
Lot No.: 2004047



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 32768
SE 600.3300116 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

