



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: F-001

Product Name: **FERULIC ACID**
(4-Hydroxy-3-methoxycinnamic acid)

Cas Number: [1135-24-6]

Lot Number: 99/5

Chemical Formula: C₁₀H₁₀O₄

Molecular Weight: 194.19

Melting Point: 171-175°C

Appearance: White crystalline powder

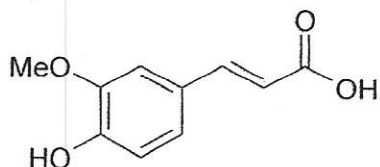
Solubility: Soluble in DMSO

TLC: Chloroform:Methanol (9:1)

NMR Spectrum: Enclosed (conforms to the structure)

Storage: Store in a cool, dry place

Purity(HPLC): 99.88%





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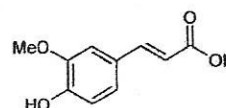
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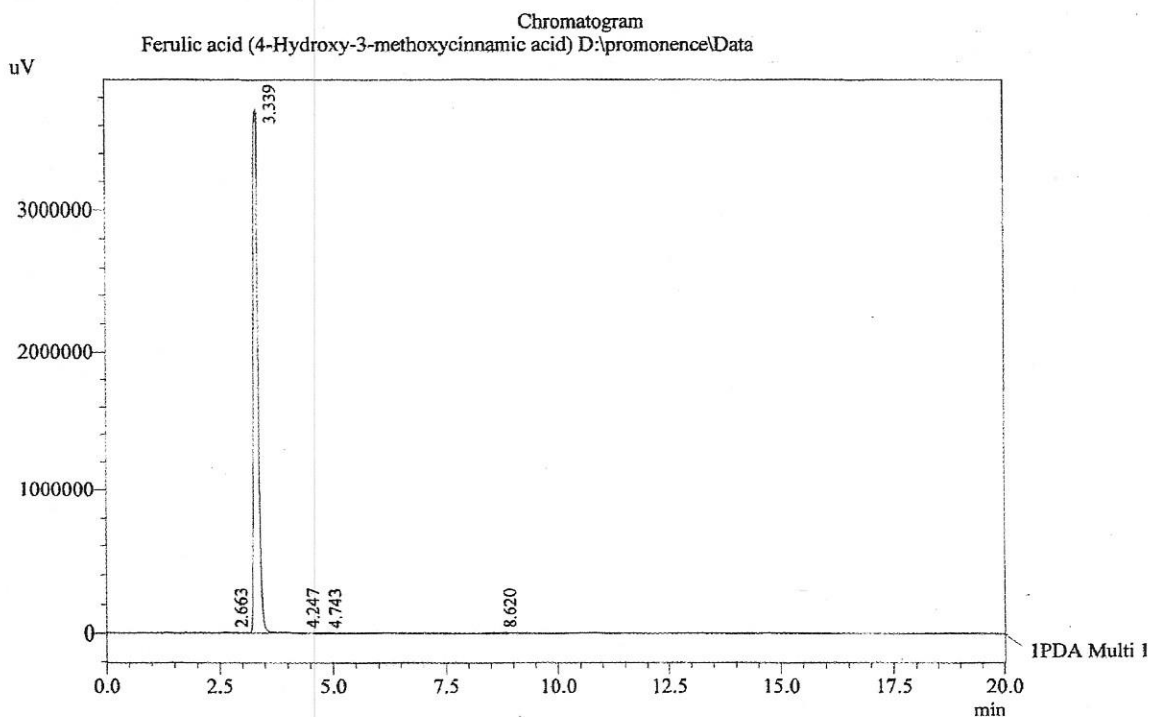
HPLC ANALYSIS

Acquired by : Sanjeev
 Sample Name : Ferulic acid (4-hydroxy-3-methoxycinnamic acid)
 Sample ID : Lot No: 99/5
 Injection Volume : 20 uL
 Data Filename : 031214C.lcd
 Method Filename : Linear Isocratic.M.lcm

Catalog No.: F-001
 Product Name: Ferulic Acid
 Lot No.: 99/5



Column : Gemini C-18, (250mm x4.6mm 5.0μ)
 Flow : 1.000 mL/min.
 Mobile Phase : A(40% of 0.05% TFA in water) B(60% of Acetonitrile)
 Diluent : Mobile Phase



1 PDA Multi 1 / 240nm 4nm

PeakTable

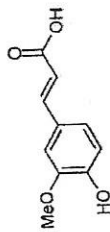
PDA Ch1 240nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:2.663	2.663	18015	0.07	0.80
2	Ferulic acid	3.339	26987673	99.88	1.00
3	RT:4.247	4.247	6840	0.03	1.27
4	RT:4.743	4.743	2910	0.01	1.42
5	RT:8.620	8.620	5120	0.02	2.58
Total			27020557	100.00	



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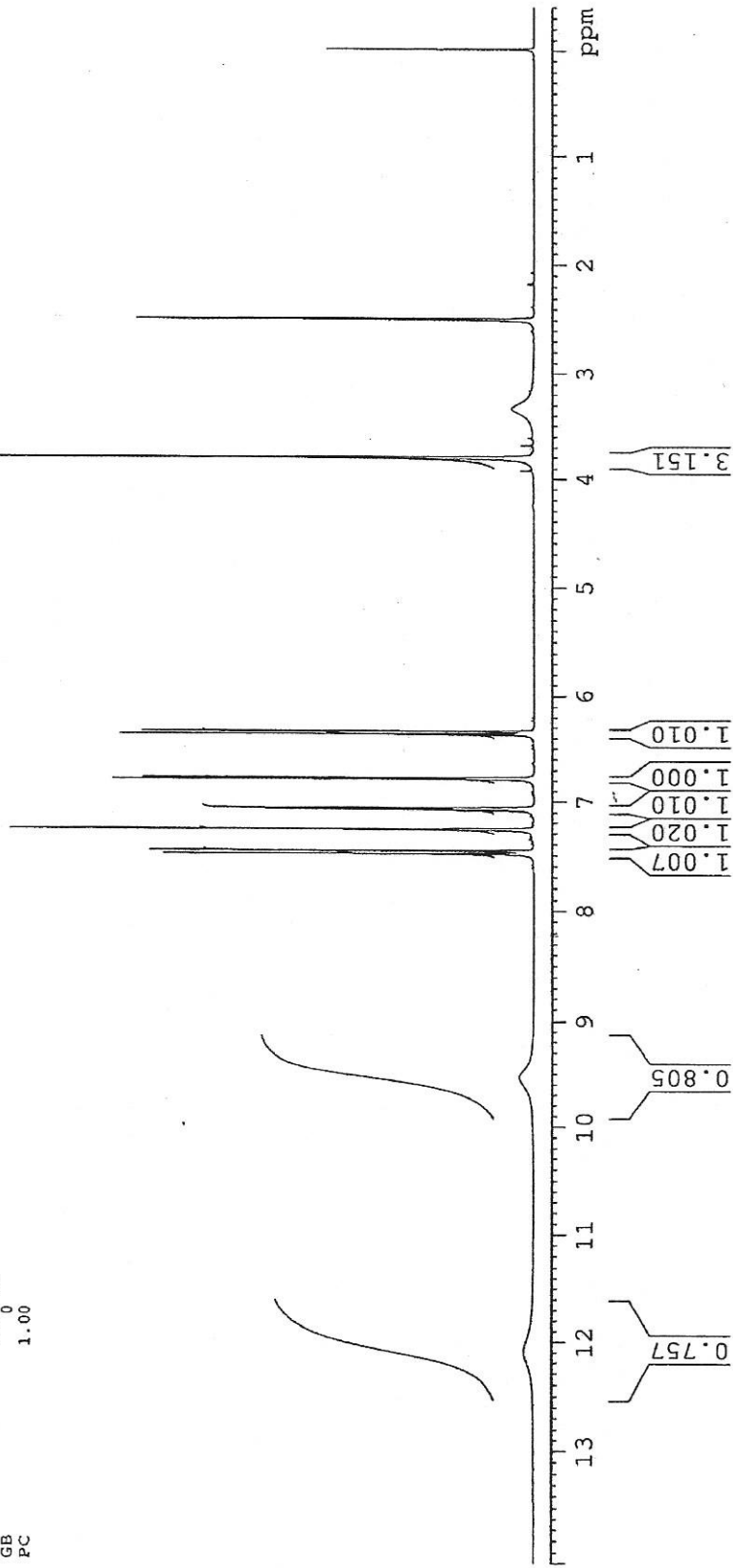
Catalog No.: F-001
 Product Name: Ferulic Acid
 Lot No.: 99/5



SOLVENT DMSO
 NS 9
 DS 0
 SWH 10416.667 Hz
 FIDRES 0.347245 Hz
 AQ 1.4399540 sec
 RG 228
 DW 48.000 usec
 DE 6.00 usec
 TE 298.2 K
 DI 1.50000000 sec
 ID0 1

1H IN DMSO
 AVANCE-600

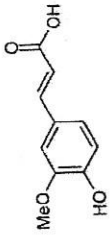
===== CHANNEL f1 =====
 NUC1 1H
 P1 8.30 usec
 P11 -1.00 dB
 PLLW 15.17893314 W
 SFO1 600.3344558 MHz
 SI 32768
 SF 600.3300103 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00





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Catalog No.: F-001
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 Lot No.: 99/5



1H IN DMSO
 AVANCE-600

SOLVENT	DMSO
NS	9
DS	0
SMH	10416.667 Hz
FIDRES	0.347245 Hz
AO	1.4399540 sec
RG	228
DW	48.000 usec
DE	6.00 usec
TE	298.2 K
D1	1.50000000 sec
ID0	1

***** CHANNEL f1 *****

NUC1	1H
P1	8.30 usec
PL1	-1.00 dB
PL1W	15.17893314 W
SFO1	600.3344558 MHz
SI	32768
SF	600.3300103 MHz
WDW	EM
SSB	0
LB	0.30 Hz
GB	0
PC	1.00

