



INDOFINE Chemical Company, Inc.

121 Stryker Lane, Bldg. 30, Suite 1 • Hillsborough, NJ 08844 • U.S.A.

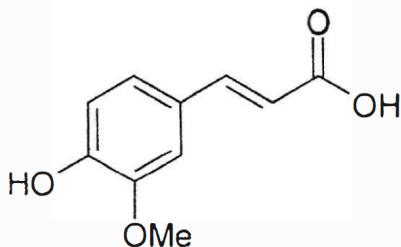
Phone: (908) 359-6778 • FAX: (908) 359-1179

website: www.indofinechemical.com

e-mail: chemical@indofinechemical.com

CERTIFICATE OF ANALYSIS

<u>Catalog Number:</u>	F-001
<u>Product Name:</u>	FERULIC ACID (4-Hydroxy-3-methoxycinnamic acid)
<u>Cas Number:</u>	[1135-24-6]
<u>Lot Number:</u>	1202193
<u>Chemical Formula:</u>	C ₁₀ H ₁₀ O ₄
<u>Molecular Weight:</u>	194.19
<u>Melting Point:</u>	170.1-173°C
<u>Appearance:</u>	Off white shining powder
<u>Solubility:</u>	Soluble in DMSO
<u>TLC:</u>	Chloroform : Methanol (9:1)
<u>NMR Spectrum:</u>	Enclosed (Confirms to the structure)
<u>Storage:</u>	Cool dry place
<u>Purity (HPLC):</u>	99.88%





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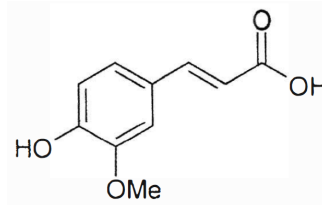
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HPLC ANALYSIS

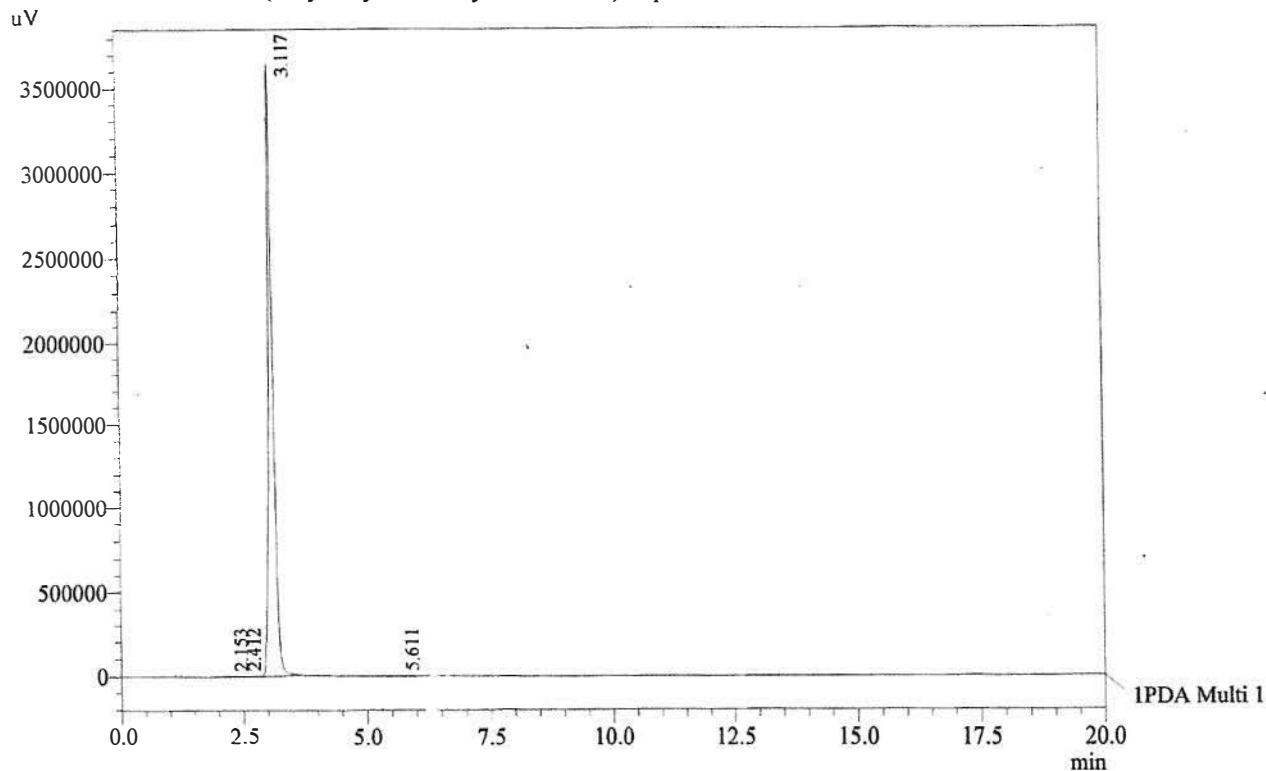
Acquired by : Sanjeev
 Sample Name : Ferulic acid (4-Hydroxy-3-methoxycinnamic acid)
 Sample ID : Lot No: 1202193
 Injection Volume : 20 uL
 Data Filename : 120513D.lcd
 Method Filename : Linear Isocratic.M.lcm
 Column : LUNA C-18(2), 250mm x4.6mm 5.0µ
 Flow : 1.000 mL/min.
 Mobile Phase : A(40% of 0.05% TFA in water) B(60% of Acetonitrile)



Catalog No.: F-001
 Product name: Ferulic acid
 Lot No.: 1202193

Chromatogram

Ferulic acid (4-Hydroxy-3-methoxycinnamic acid) D:\p\romence\Data\2013\MAY-2013\120513D.lcd



1 PDA Multi 1 / 240nm 4nm

PeakTable

PDA Ch1 240nm 4nm

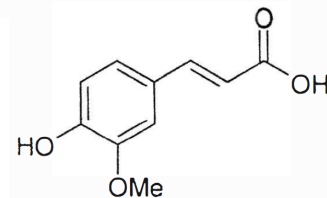
Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:2.153	2.153	16246	0.07	0.69
2	RT:2.412	2.412	10776	0.04	0.77
3	Ferulic acid	3.117	24644881	99.88	1.00
4	RT:5.611	5.611	3408	0.01	1.80
Total			24675311	100.00	



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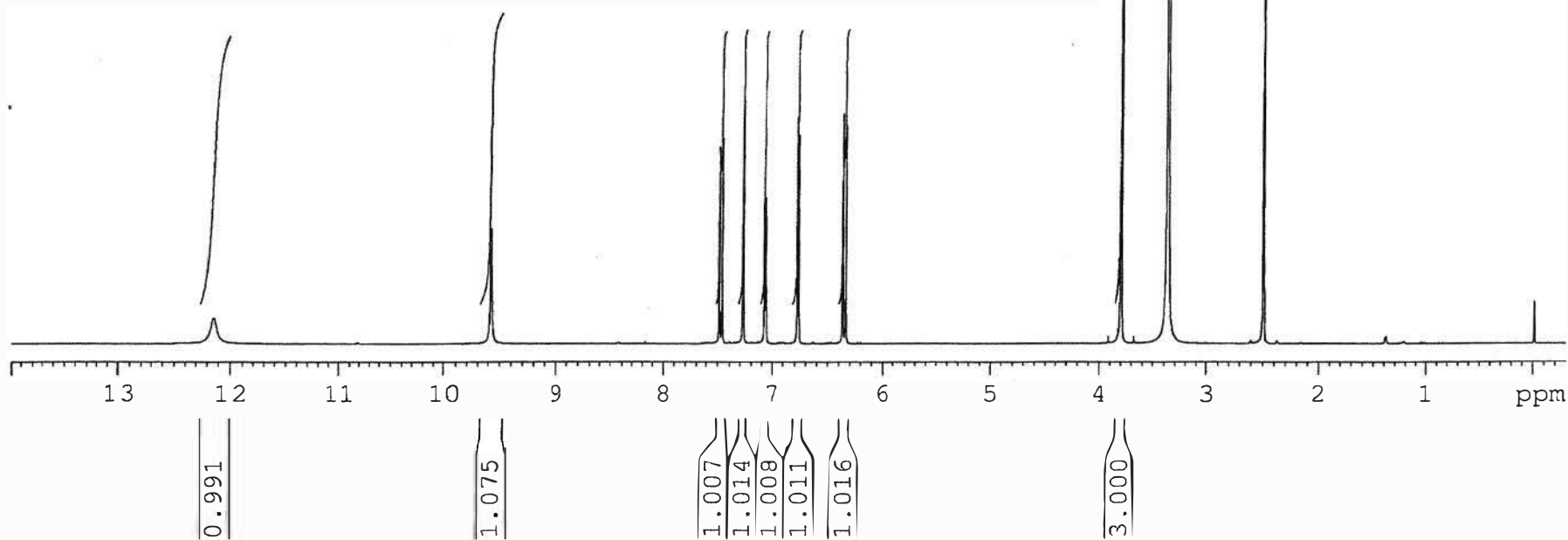
Catalog No.: F-001
Product name: Ferulic acid
Lot No.: 1202193



SOLVENT DMSO
NS 32
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

ICC-MAY-14
1H IN DMSO
AVANCE-600

==== CHANNEL f1 =====
NUC1 1H
P1 7.50 usec
PL1 2.60 dB
PL1W 6.62584448 W
SFO1 600.345228 MHz
SI 32768
SF 600.3300108 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00





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