



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: D-023

Product Name: **3,4-DIMETHOXYCINNAMIC ACID**
(Dimethylcaffeic Acid)

CAS Number: [2316-26-9]

Lot Number: 0511110

Chemical Formula: C₁₁H₁₂O₄

Molecular Weight: 208.21

Melting Point: 182-184°C

Appearance: White powder

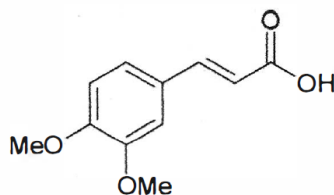
Solubility: Soluble in Chloroform

TLC: Chloroform : Methanol (9:1)

NMR Spectrum: Enclosed (Confirms to the structure)

Storage: Cool dry place

Purity (HPLC): 99.65%





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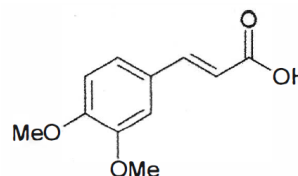
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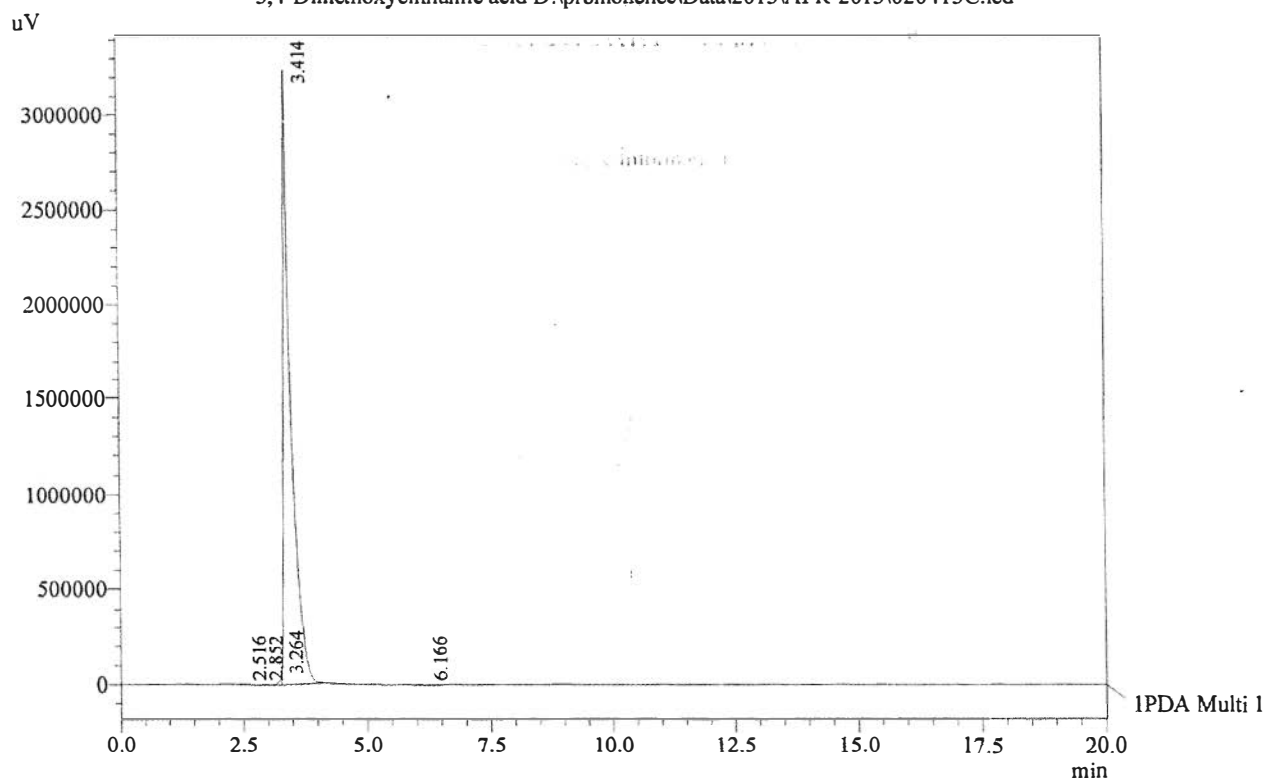
HPLC ANALYSIS

Acquired by : Sa jeev
 Sample Name : 3,4-Dimethoxycinnamic acid
 Sample ID : Lot No:-0511110
 Injection Volume : 20 uL
 Data Filename : 020413C.lcd
 Method Filename : L.linear Isocratic.M.lcm
 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)



Catalog No.: D-023
 Product name: 3,4-Dimethoxycinnamic acid
 Lot No.: 0511110

Chromatogram
 3,4-Dimethoxycinnamic acid D:\promonence\Data\2013\APR-2013\020413C.lcd



1 PDA Multi 1 / 230nm 4nm

PeakTable

PDA Ch1 230nm 4nm

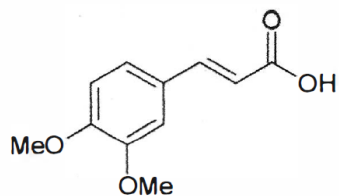
Peak#	Name	Ret. Time	Area	Are %	Relative Retention Time
1	RT:2.516	2.516	2270	0.01	0.74
2	RT:2.852	2.852	1873	0.01	0.84
3	RT:3.264	3.264	110486	0.33	0.96
4	3,4-Dimethoxycinnamic acid	3.414	33551356	99.65	1.00
5	RT:6.166	6.166	2230	0.01	1.81
Total			33668215	100.00	



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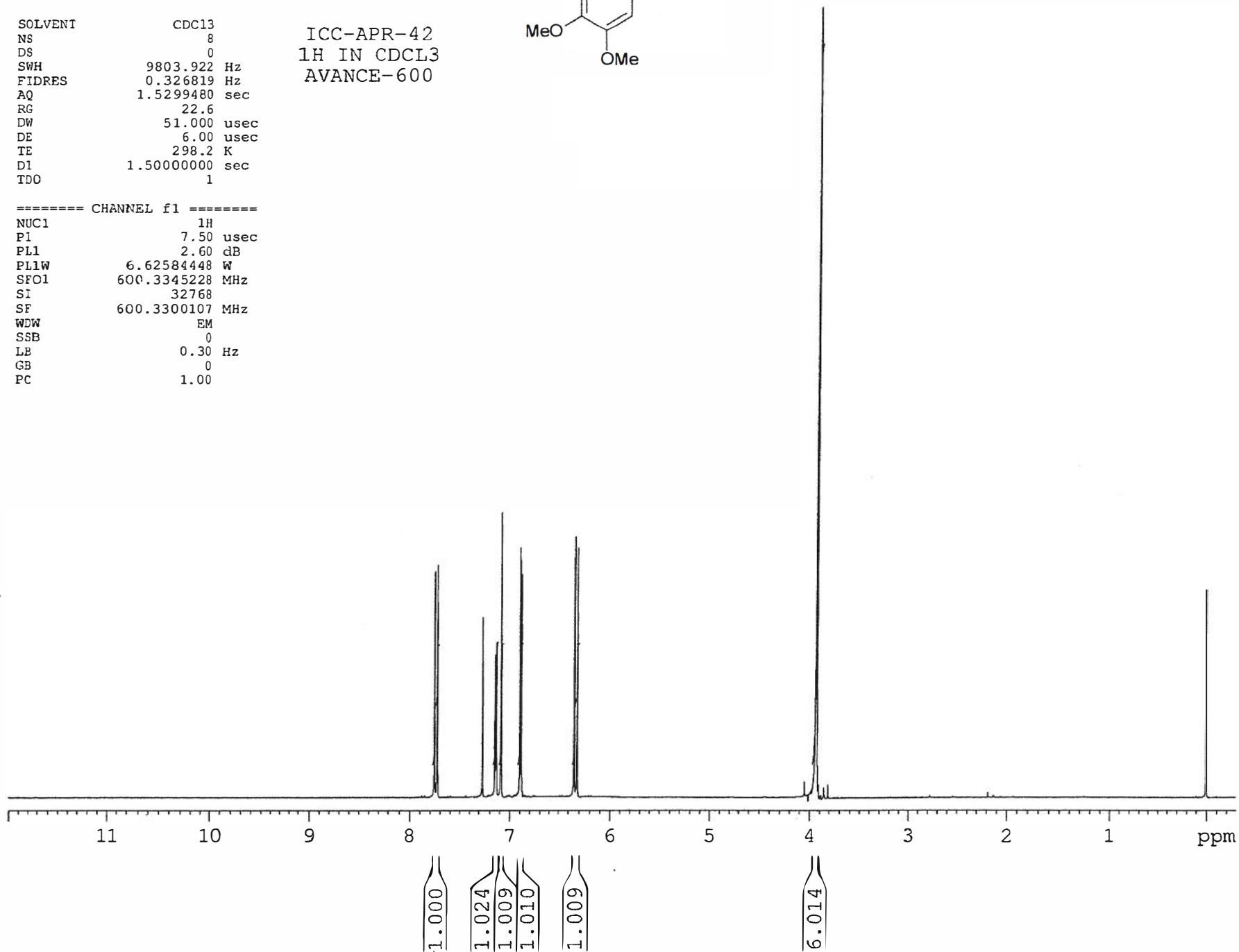
Catalog No.: D-023
Product name: 3,4-Dimethoxycinnamic acid
Lot No.: 0511110



SOLVENT CDC13
NS 8
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 1.5000000 sec
TDO 1

ICC-APR-42
1H IN CDCL3
AVANCE-600

==== CHANNEL f1 =====
NUC1 1H
P1 7.50 usec
PL1 2.60 dB
PL1W 6.62584448 W
SFO1 600.3345228 MHz
SI 32768
SF 600.3300107 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00





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Lot No.: 0511110

SOLVENT	CDCl3
NS	8
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
TDO	1

ICC-APR-42
1H IN CDCL3
AVANCE-600

