



# 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)

## CERTIFICATE OF ANALYSIS

Catalog Number: C-002

Product Name: **CHLOROGENIC ACID**  
(Caffeoylquinic acid)

CAS Number: [327-97-9]

Lot No.: 0307121

Molecular Formula: C<sub>16</sub>H<sub>18</sub>O<sub>9</sub>

Molecular Weight: 354.31

Melting Point: 205-208°C

Appearance: Off white powder

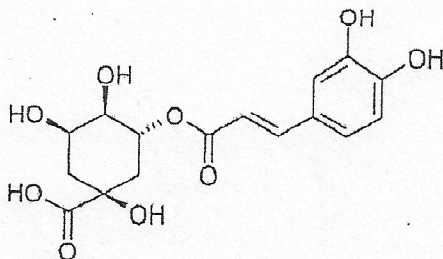
Solubility: Soluble in DMSO

TLC: Acetic acid:n-Butanol (1:1)

NMR Spectrum: Enclosed (conforms to the structure)

Storage: Store in a cool, dry place

Purity(HPLC): 99.58%





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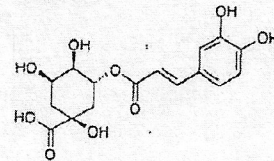
website: [www.indofinechemical.com](http://www.indofinechemical.com)

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

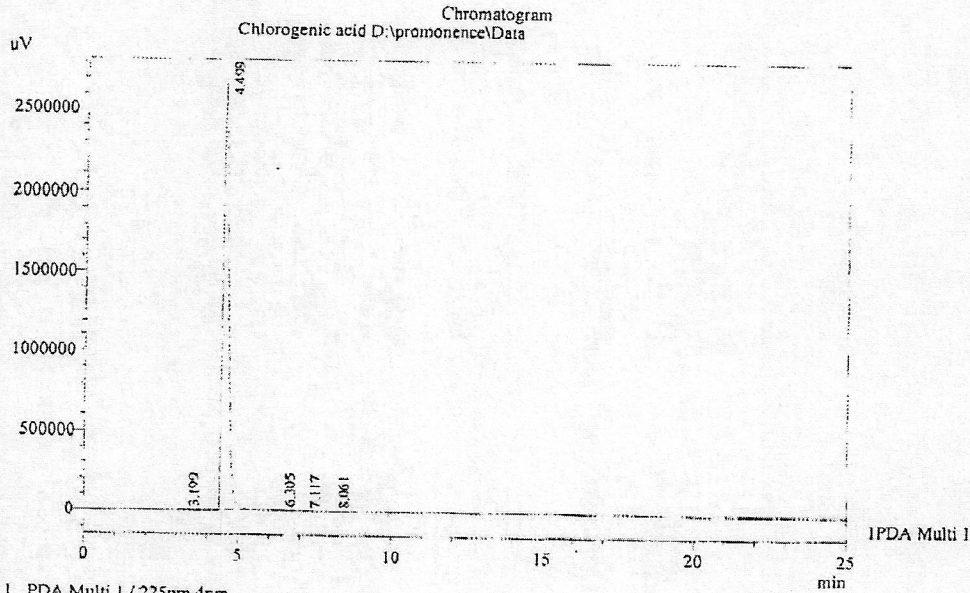
## HPLC ANALYSIS

Acquired by : Sanjeev  
 Sample Name : Chlorogenic acid  
 Sample ID : Lot No:0307121  
 Injection Volume : 20 uL  
 Data Filename : 240514D.Jcr  
 Method Filename : Linear Isocratic.M.lcm

Catalog No.: C-002  
 Product Name: Chlorogenic acid  
 Lot No.: 0307121



Column : LUNA C-18(2), (250mm x4.6mm 5.0µ)  
 Flow : 0.600 mL/min.  
 Mobile Phase : A(10% of 0.05% TFA in water) B(90% of Methanol)  
 Diluent : Methanol



1 PDA Multi 1 / 225nm 4nm

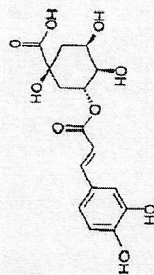
PeakTable

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:3.199	3.199	9618	0.03	0.71
2	Chlorogenic acid	4.499	35267325	99.58	1.00
3	RT:6.305	6.305	132942	0.38	1.40
4	RT:7.117	7.117	2484	0.01	1.58
5	RT:8.061	8.061	4848	0.01	1.79
Total			35417216	100.00	



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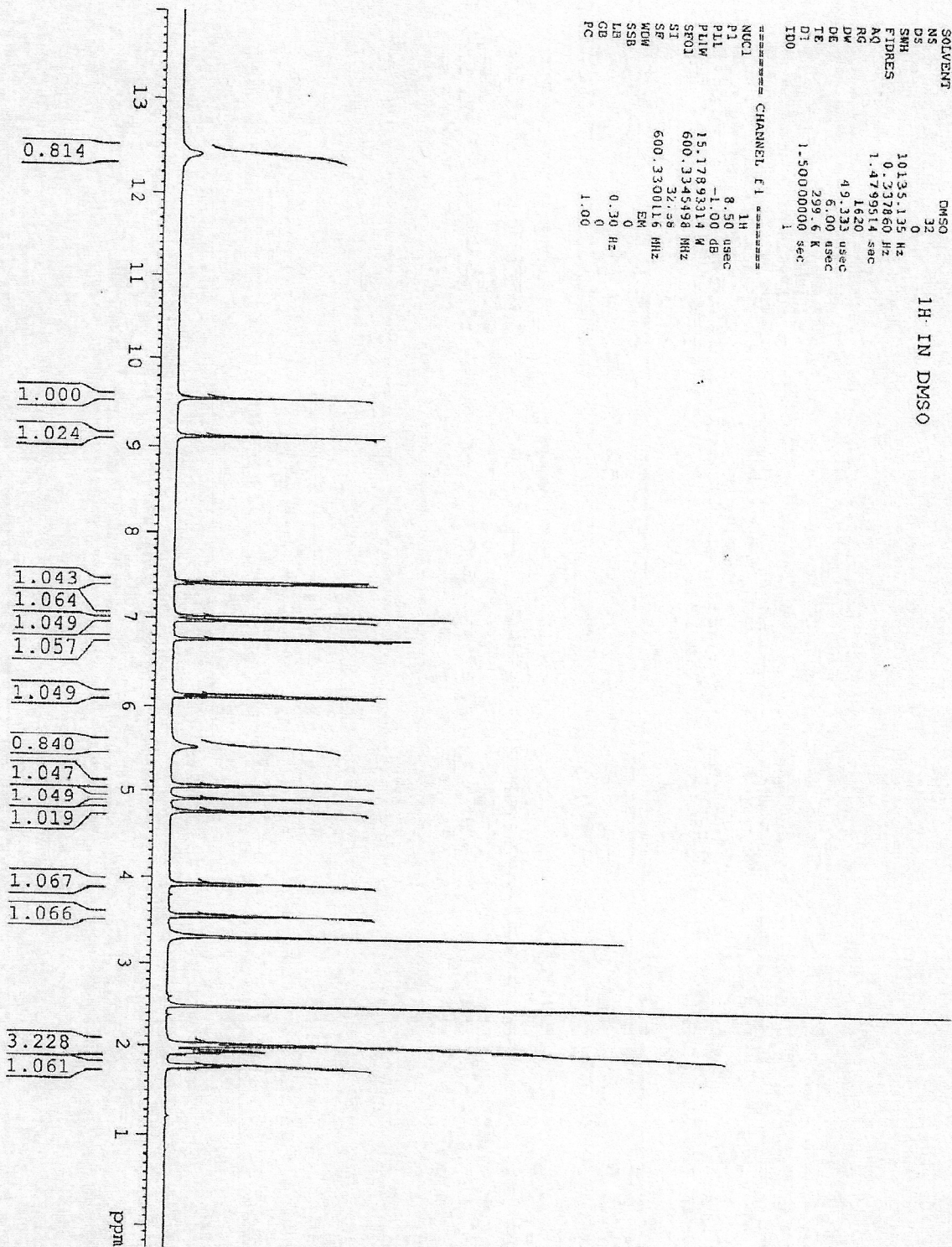
Catalog No.: C-002  
Product Name: Chlorogenic acid  
Lot No.: 0307121



1H IN DMSO

SOLVENT DMSO  
NS 32  
DS 0  
SMH 10135.135 Kz  
FIDRES 0.337860 Hz  
AQ 1.4799514 sec  
RG 1620  
DW 49.333 usec  
DE 6.00 usec  
TE 299.6 K  
D1 1.50000000 sec  
ID0 1

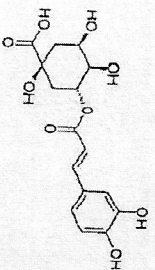
\*\*\*\*\* CHANNEL F1 \*\*\*\*\*  
NUC1 1H  
P1 8.50 usec  
PL1 -1.00 dB  
PL1W 15.17893314 W  
SF01 600.3345498 MHz  
SI 32.76  
SF 600.3300116 MHz  
WDW EM  
SSB 0  
LB 0.30 Hz  
GB 0  
PC 1.00





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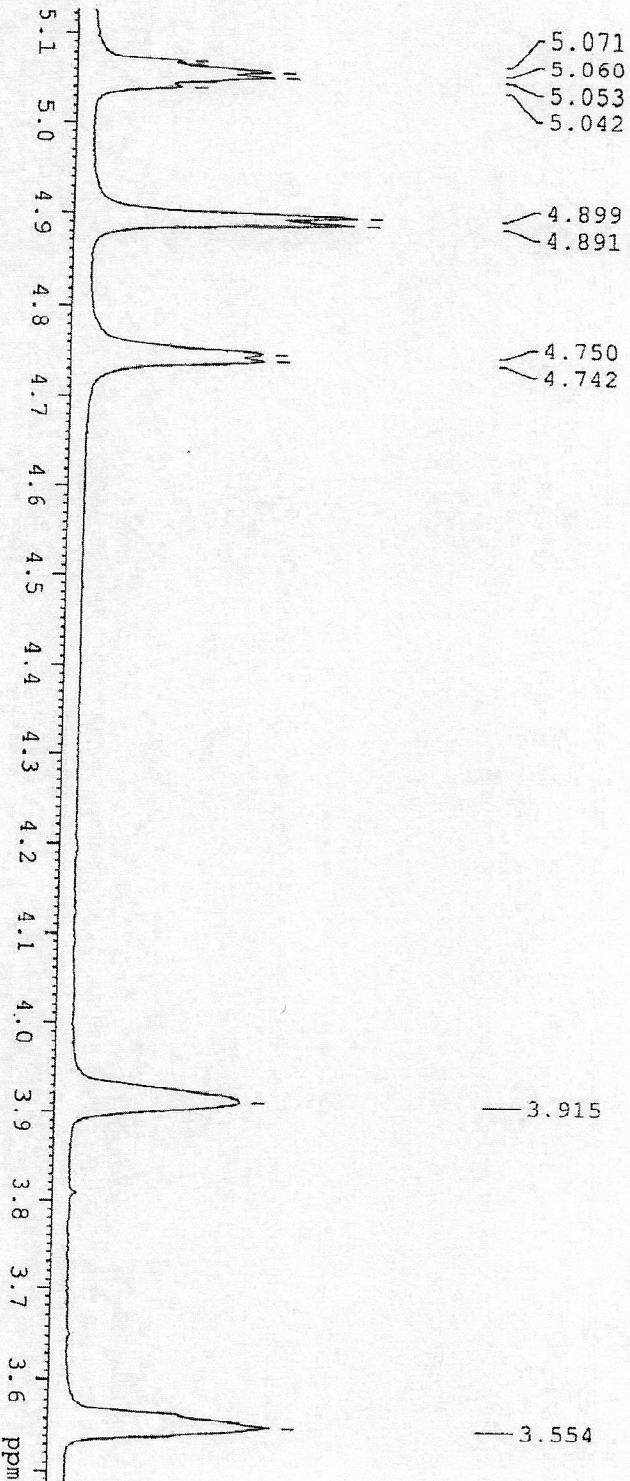
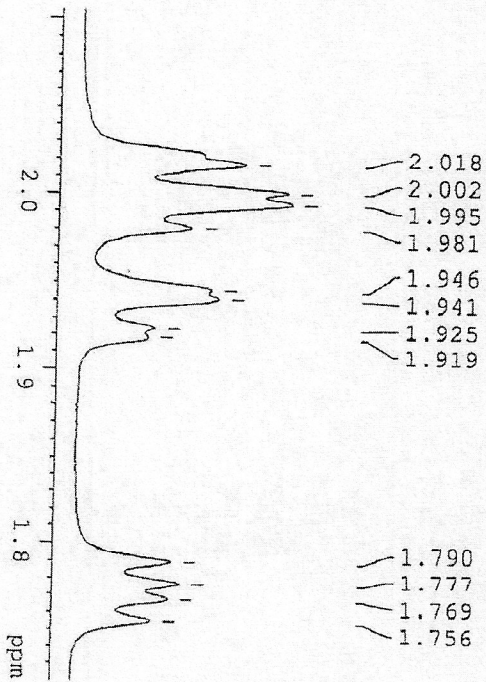
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FIDRES 0.337860 HZ  
AQ 1.479514 sec  
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D1 1.50000000 sec  
TD0 1

1H IN DMSO

===== CHANNEL F1 =====  
NUC1 1H  
P1 8.50 usec  
PL 1.00 dB  
RF 15.17893314 W  
SF 600.3345498 MHz  
SI 32768  
SF 500.3300116 MHz  
WDW EM  
SSB 0  
LB 0  
GB 0  
PC 1.00





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