



# 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

Cat. No.: E-001

Product:

**ELLAGIC ACID**

(4,4',5,5',6,6'-Hexahydroxydiphenicacid dialactone;  
Benzoaric acid)

CAS Number:

[476-66-4]

Lot No.:

0804023

Molecular Formula:

$C_{14}H_6O_8$

Molecular Weight:

302.20

Appearance:

Cream color powder

Melting Point:

> 280°C

Solubility:

Soluble in DMSO

TLC:

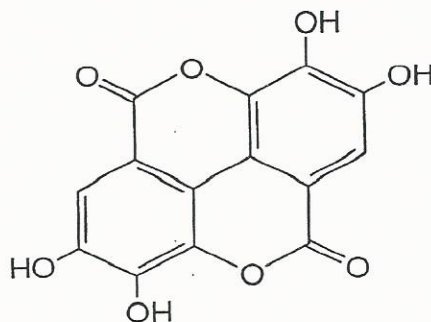
Acetic acid:Chloroform (9.5 : 0.5)

NMR Spectrum:

Enclosed (Confirms to structure)

Purity(HPLC):

99.85%





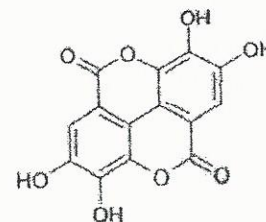
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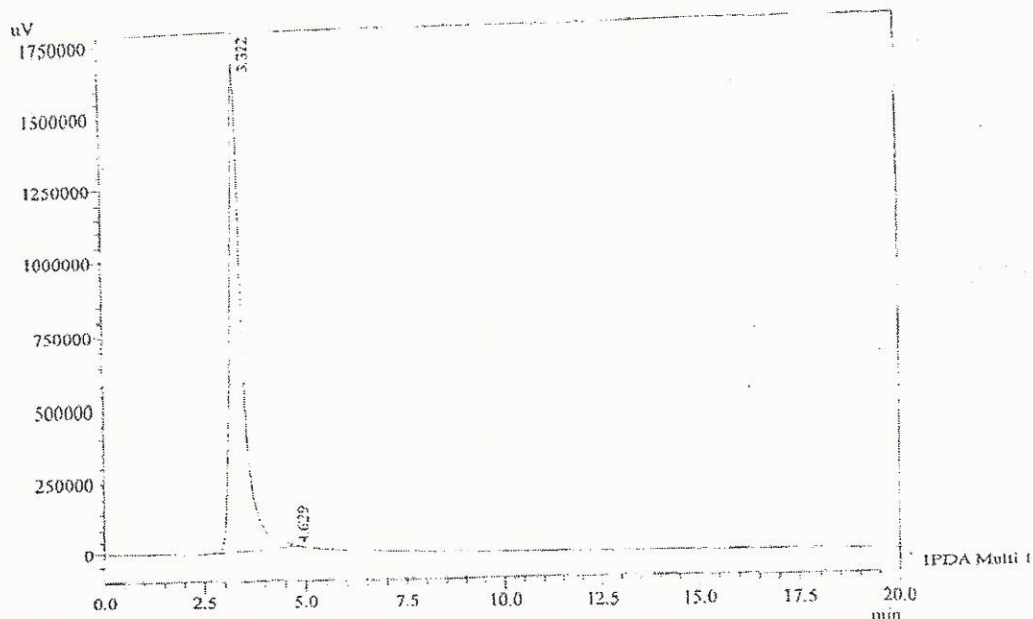
## HPLC ANALYSIS

Sample Name : Ellagic Acid  
Sample ID : Lot No:-0804023  
Injection Volume : 20 uL  
Data Filename : 080612C1.ed  
Method Filename : Linear Isocratic M1.lem

Catalog no.: E-001  
Product name: Ellagic acid  
Lot No.: 0804023

Column : Inertsil ODS-3V, (250mm x4.6mm 5.0µ)  
Flow : 1.000 mL/min.  
Mobile Phase : A:20% 0.01M KH<sub>2</sub>PO<sub>4</sub> Buffer-Adjust pH 3.5 with OPA) B(80% of Methanol)

Chromatogram



1 PDA Multi 1 / 254nm 4nm

PeakTable

PDA Ch1 254nm 4nm

| Peak# | Name         | Ret. Time | Area     | Area % | Relative Retention Time |
|-------|--------------|-----------|----------|--------|-------------------------|
| 1     | Ellagic Acid | 3.322     | 36294345 | 99.85  | 1.00                    |
| 2     | RT:4.629     | 4.629     | 55676    | 0.15   | 1.39                    |
| Total |              |           | 36350021 | 100.00 |                         |



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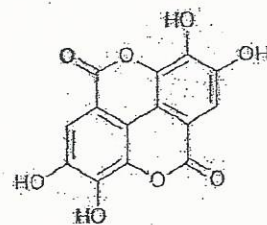
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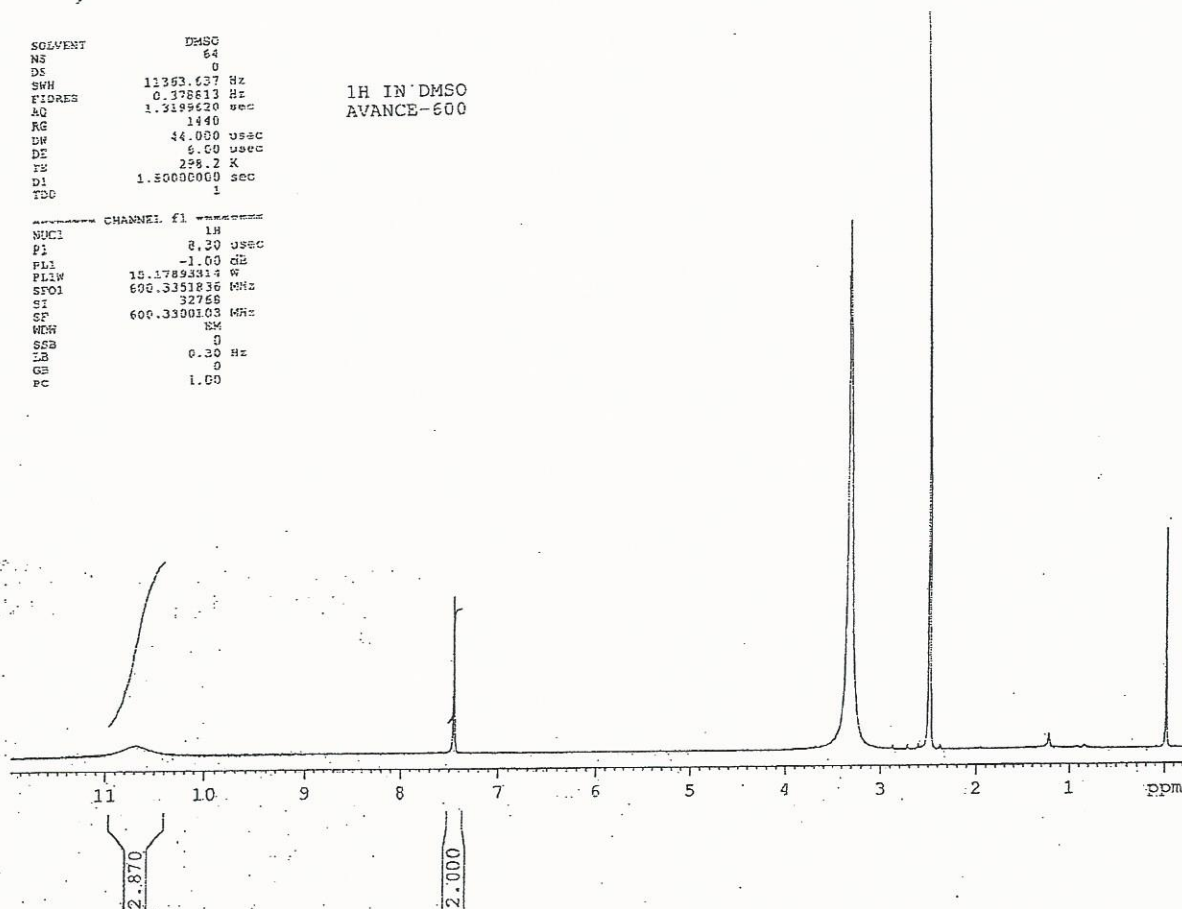
Catalog no.: E-001  
Product name: Ellagic acid  
Lot No.: 0804023



SOLVENT DMSO  
NS 64  
DS 0  
SWH 11353.637 Hz  
FIDRES 0.378613 Hz  
AQ 1.3199620 sec  
RG 1440  
DH 44.000 usec  
DE 6.00 usec  
TS 298.2 K  
D1 1.50000000 sec  
TDO 1

1H IN DMSO  
AVANCE-600

CHANNEL f1 -----  
NUC1 1H  
P1 8.30 usec  
PL1 -1.00 dB  
PL1W 15.17893414 W  
SFO1 600.3351836 MHz  
SI 32768  
SF 600.3300103 MHz  
WDW EM  
SSB 0  
LB 0.30 Hz  
GB 0  
PC 1.00





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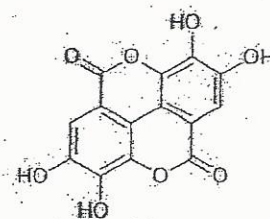
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Catalog no.: E-001  
Product name: Ellagic acid  
Lot No.: 0804023



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1H IN DMSO  
AVANCE-600

CHANNEL f1  
NUC1 1H  
P1 8.30 usec  
PL1 -1.00 dB  
PL1K 15.17895314 W  
SFO1 600.3351838 MHz  
SI 32768  
SF 600.3300103 MHz  
WDW H  
SSB 0  
LB 0.30 Hz  
GB 0  
PC 1.00

