



**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.: F-002**

Product:

**FISETIN**

(3,7,3',4'-Tetrahydroxyflavone)

CAS No.:

[528-48-3]

Lot Number:

1003016

Molecular Formula:

$C_{15}H_{10}O_6$

Molecular Weight:

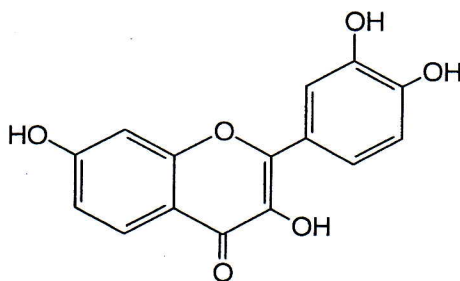
286.25

Appearance:

Yellow fine powder

Assay(HPLC):

98+%





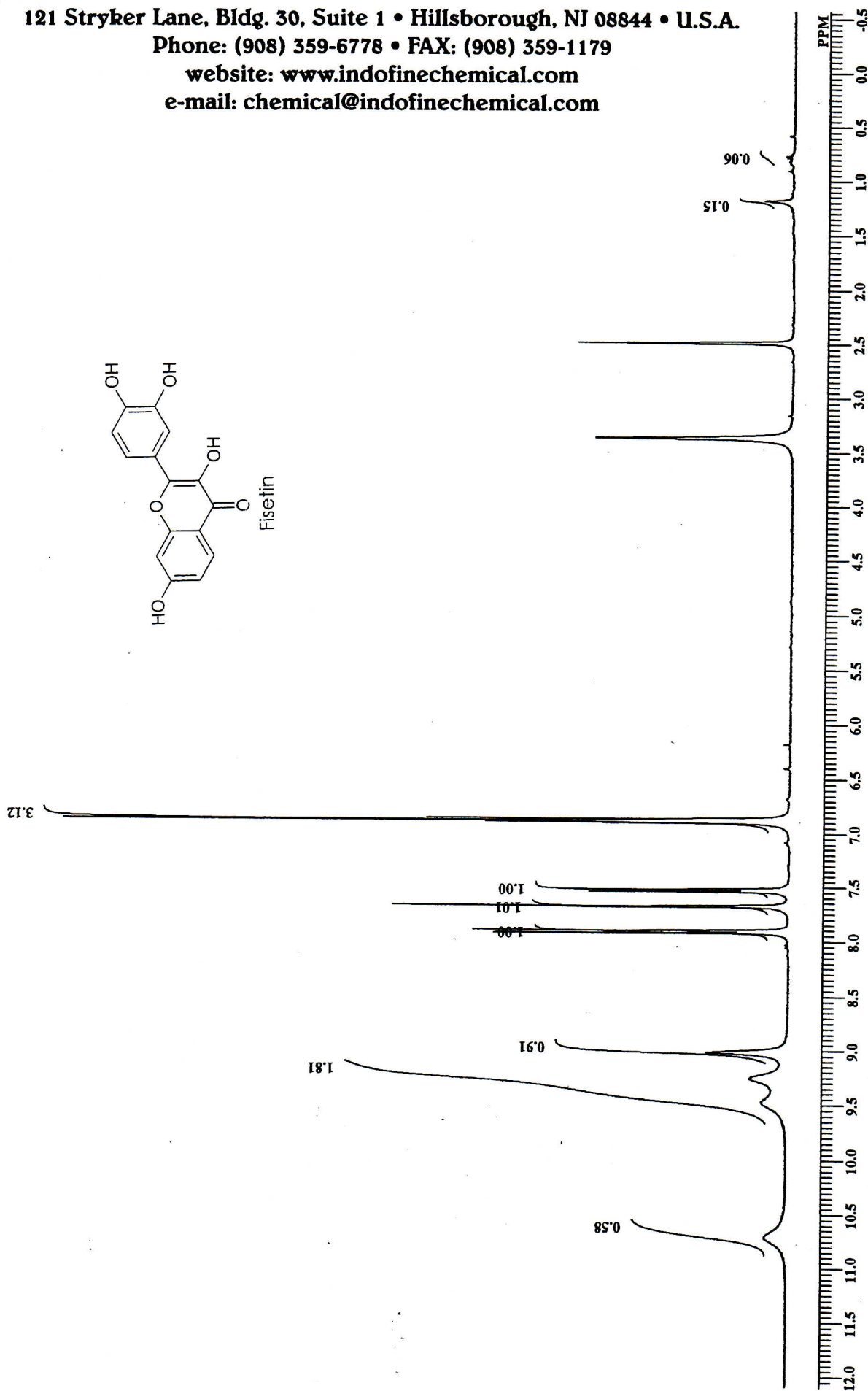
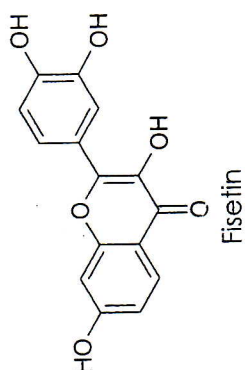
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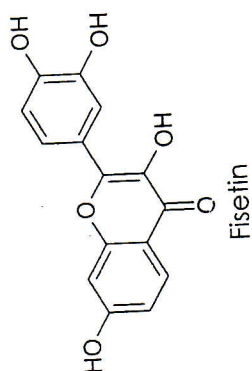
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3.12

1.00

1.01

1.00



FIS-1 1HNMR DMSO-D6

Cat. No.: F-002

Product: Fisetin

Lot No.: 1003016



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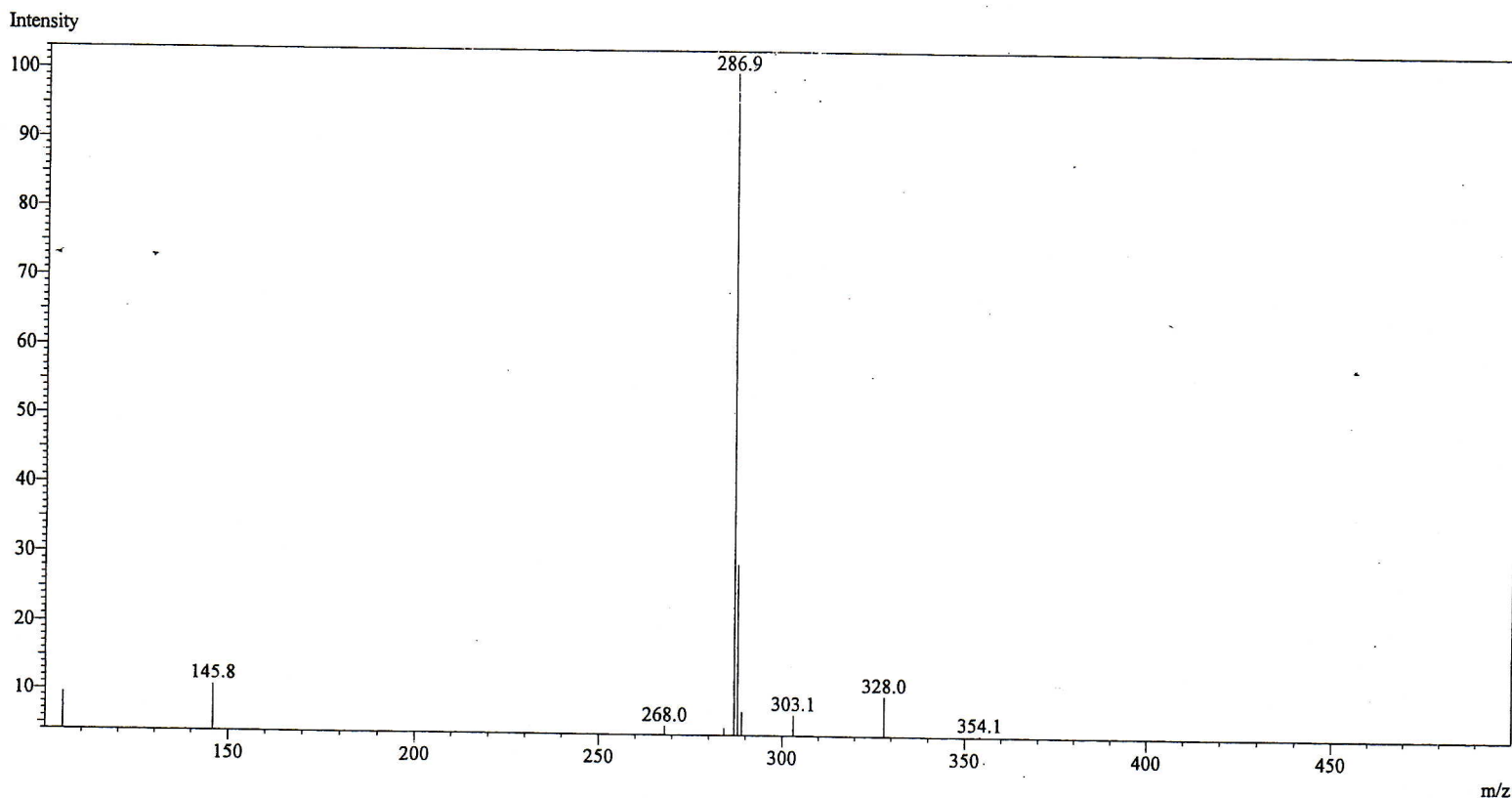
Cat. No.: F-002  
Product: Fisetin  
Lot No.: 1003016

Sample Information  
Sample Name : FIS-1  
Sample ID : -  
Data File : FIS-1.lcd  
Method File : Test1(ESI).lcm  
Acquired by : BSS  
Date Acquired : 5/24/2010 11:39:44 AM



Probe : ESI  
Polarity:Pos

MS Spectrum Graph





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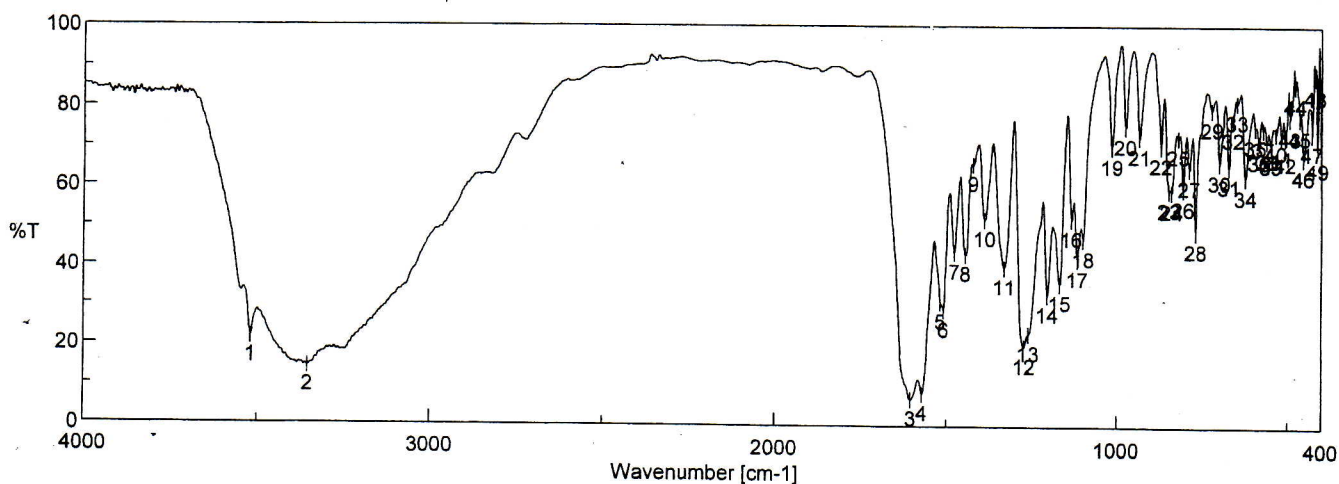
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Cat. No.: F-002  
Product: Fisetin  
Lot No.: 1003016



#### [Comment]

Sample Name FIS-(1) (220510D)  
Comment IR  
User RR  
Division R&D  
Company \*\*\*\*\*

#### [Data Information]

Creation Date 5/22/2010 12:58 PM  
Data array type Linear data array  
Horizontal Wavenumber [cm-1]  
Vertical %T  
Start 349.053 cm-1  
End 7800.65 cm-1  
Data pitch 0.964233 cm-1  
Data points 7729

#### Result of Peak Picking

| No. | Position | Intensity | No. | Position | Intensity | No. | Position | Intensity |
|-----|----------|-----------|-----|----------|-----------|-----|----------|-----------|
| 1   | 3520.42  | 21.6301   | 2   | 3353.6   | 14.3559   | 3   | 1604.48  | 6.70708   |
| 4   | 1571.7   | 8.15229   | 5   | 1518.67  | 30.9391   | 6   | 1509.03  | 28.8678   |
| 7   | 1476.24  | 43.6016   | 8   | 1443.46  | 43.0136   | 9   | 1422.24  | 65.5467   |
| 10  | 1388.5   | 51.7972   | 11  | 1331.61  | 39.7903   | 12  | 1272.79  | 19.823    |
| 13  | 1260.25  | 23.0034   | 14  | 1204.33  | 32.7357   | 15  | 1168.65  | 35.6503   |
| 16  | 1133.94  | 51.7975   | 17  | 1116.58  | 41.8435   | 18  | 1099.23  | 46.7749   |
| 19  | 1016.3   | 69.8986   | 20  | 975.804  | 75.0135   | 21  | 935.306  | 72.4876   |
| 22  | 872.631  | 70.182    | 23  | 848.525  | 59.0922   | 24  | 840.812  | 58.9154   |
| 25  | 822.491  | 72.4579   | 26  | 808.028  | 59.4307   | 27  | 789.707  | 64.6291   |
| 28  | 771.387  | 48.8211   | 29  | 722.211  | 79.3604   | 30  | 700.034  | 65.9989   |
| 31  | 673.035  | 65.0158   | 32  | 661.464  | 76.8124   | 33  | 648.929  | 81.0962   |
| 34  | 624.823  | 62.2816   | 35  | 596.861  | 75.0712   | 36  | 585.29   | 71.2096   |
| 37  | 573.719  | 74.6695   | 38  | 563.112  | 71.594    | 39  | 551.542  | 70.2687   |
| 40  | 536.114  | 73.6303   | 41  | 519.722  | 72.4044   | 42  | 509.115  | 70.8586   |
| 43  | 494.652  | 77.3461   | 44  | 479.224  | 85.3368   | 45  | 465.725  | 77.2881   |
| 46  | 454.154  | 67.375    | 47  | 429.084  | 73.5358   | 48  | 420.406  | 87.4431   |
| 49  | 413.656  | 69.3386   |     |          |           |     |          |           |