

**ICG** **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)

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**CERTIFICATE OF ANALYSIS**

Catalog Number: H-109

Product Name: **7-HYDROXY-6-METHOXYCOUMARIN**  
(Scopoletin)

CAS Number: [92-61-5]

Lot Number: 1912373

Chemical Formula: C<sub>10</sub>H<sub>8</sub>O<sub>4</sub>

Molecular Weight: 192.17

Appearance: Light yellow powder

Solubility: Soluble in DMSO

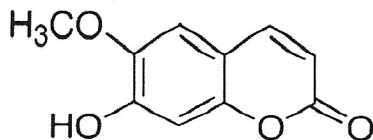
Melting Point: 201-203°C

Water Content(KF): 0.36%

TLC: Chloroform:Methanol (9:1)

Storage: Store in a cool, dry place.  
Keep airproofed when package is not in use.

Purity(HPLC): 99.12%



Prepared by:  
*Ramesh Mandadi*  
Ramesh Mandadi  
Director of Operations

Reviewed and approved by:  
*Sujata Moton*  
S. Moton  
VP



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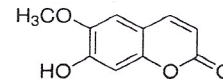
website: [www.indofinechemical.com](http://www.indofinechemical.com)

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

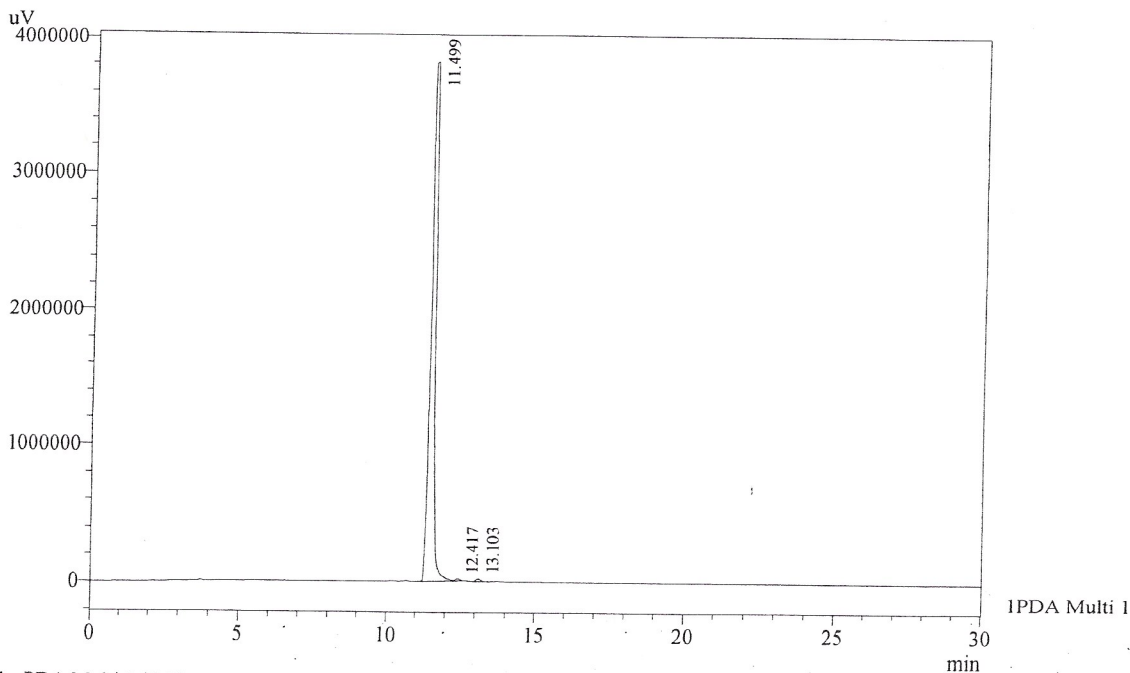
## HPLC ANALYSIS

Acquired by : Admin  
 Sample Name : Scopoletin  
 Sample ID : # 50 GM-LOT  
 Injection Volume : 20 uL  
 Data Filename : 021219D.lcd  
 Method Filename : Linear Gradient-G.M.lcm  
 Report Filename : Default.lcr

Catalog No.: H-109  
 Product Name: 7-Hydroxy-6-methoxycoumarin  
 Lot No.: 1912373



Chromatogram



1 PDA Multi 1 / 254nm 4nm

PeakTable

PDA Ch1 254nm 4nm

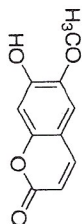
Peak#	Name	Ret. Time	Height	Area %	Relative Retention Time
1	RT:11.499	11.499	3809186	99.12	1.00
2	RT:12.417	12.417	16350	0.39	1.08
3	RT:13.103	13.103	19618	0.49	1.14
Total			3845154	100.00	

Prepared by:  
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 Ramesh Mandadi  
 Director of Operations

Reviewed and approved by:  
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 S. Moton  
 VP

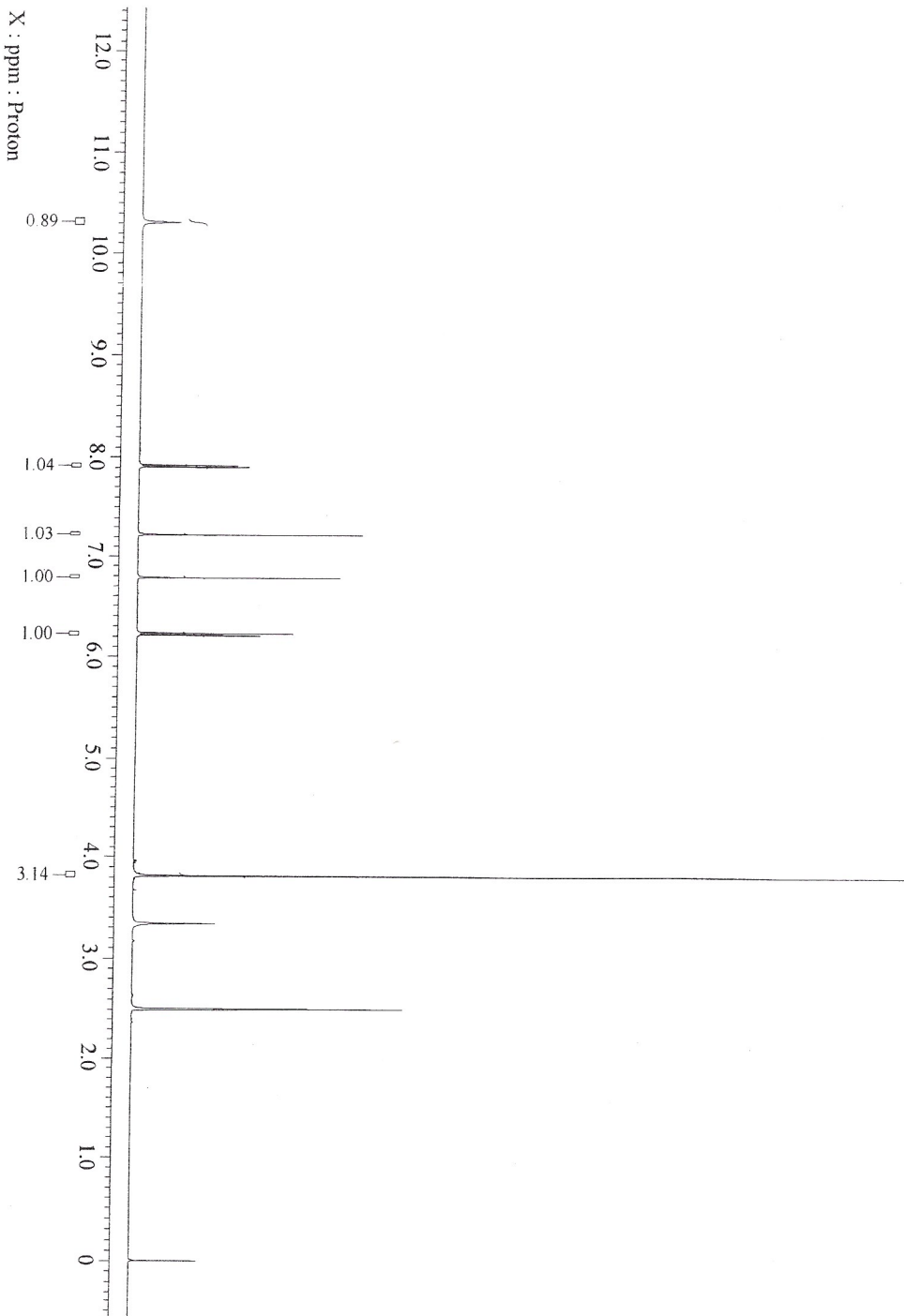
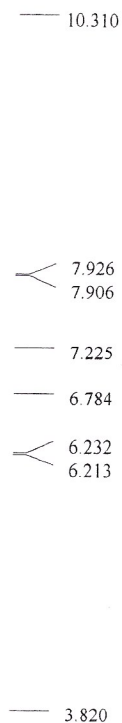


**INDOFINE Chemical Company, Inc**  
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Catalog No.: H-109  
 Product Name: 7-Hydroxy-6-methoxycoumarin  
 Lot No.: 1912373

\_proton-1-2.jdf



```

----- PROCESSING PARAMETERS -----
sexpr( 0.2[Hz], 0.0[s] )
trapzoid( 0[%], 0[%], 80[%], 100[%] )
zerofill( 1 )
fft( 1, TRUE, TRUE )
machinphase
ppm
auto_reference( 5[%], TRUE )
Derived from: SCP.50gm
  
```

```

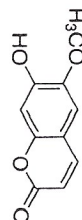
Filename           = SCP.50gm.Lot
Instrument          = NMR-500MHz (JBOJ)
Instrument id      = NMR-02
Author            = brml440
Reviewed by       = Ramesh
Solvent           = DMSO-D6
Spectrometer      = JNM-ECZ500R/S1
Experiment        = proton.jxp
  
```

```

Acquisition Parameter
X_Domain           = Proton
X_Offset          = 7.0 [ppm]
X_Sweep           = 11.28158845 [kHz]
Scans             = 16
Relaxation_Delay  = 2[s]
  
```



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Catalog No.: H-109  
 Product Name: 7-Hydroxy-6-methoxycoumarin  
 Lot No.: 1912373

\_proton-1-2.jdt

7.926  
7.906

7.225

6.784

6.232  
6.213

```

---- PROCESSING PARAMETERS ----
secp( 0.2[Hz], 0.0[s] )
trapzoid( 0[%], 0[%], 80[%], 100[%] )
zerofill( 1 )
fft( 1, TRUE, TRUE )
machinephase
ppm
auto_reference( 5[%], TRUE )
Derived from: SCP.50gm
  
```

```

Filename           = SCP.50gm Lot
Instrument          = NMR-500MHz (JEOL)
Instrument id      = NMR-02
Author            = brn1410
Reviewed by       = Ramash
Solvent           = DMSO-D6
Spectrometer      = JNM-ECZ500R/S1
Experiment        = proton.jxp
  
```

```

Acquisition Parameter
X Domain           = Proton
X_Offset          = 7.0[ppm]
X_Sweep           = 11.28158845 [kHz]
Scans             = 16
Relaxation_Delay  = 2[s]
  
```

