

**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

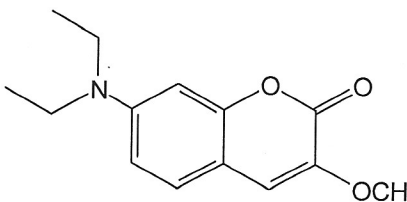
website: [www.indofinechemical.com](http://www.indofinechemical.com)

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

**CERTIFICATE OF ANALYSIS**

**CAT. No.: 19-421**

<u>Product Name:</u>	<b>7-DIETHYLAMINO-3-FORMYLCOUMARIN</b>
<u>Lot Number:</u>	0612103
<u>Chemical Formula:</u>	C <sub>14</sub> H <sub>15</sub> NO <sub>3</sub>
<u>Molecular Weight:</u>	245.28
<u>Melting Point:</u>	165 -167°C
<u>Appearance:</u>	Orange shining powder
<u>Solubility:</u>	Soluble in Chloroform
<u>TLC:</u>	Hexane:Ethyl acetate (1:1)
<u>NMR Spectrum:</u>	Enclosed
<u>IR Spectrum:</u>	Enclosed
<u>Purity(HPLC):</u>	99.8%





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## HPLC ANALYSIS

Catalog no.: 19-421

Product name: 7-Diethylamino-3-formylcoumarin

Lot No.: 0612103

### Sample Info:

Sample ID : NP-039

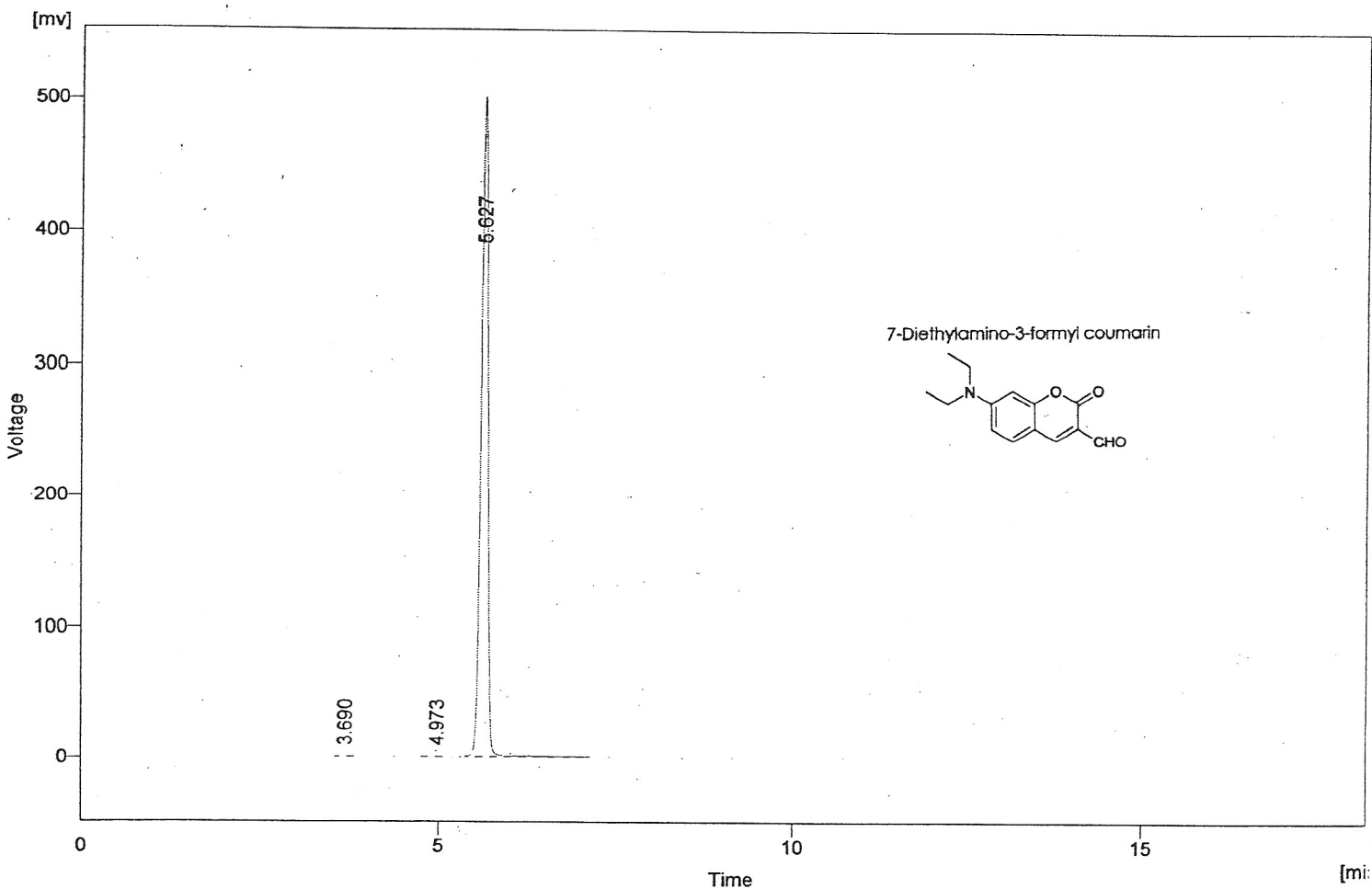
Sample : 7-DIETHYLAMINO-3-FORMYL COUMARIN

Inj. Volume [ml] : 0.02

Amount : 0

ISTD Amount : 0

Dilution : 1



Result Table (Uncal - E:VPLCWP-039111)

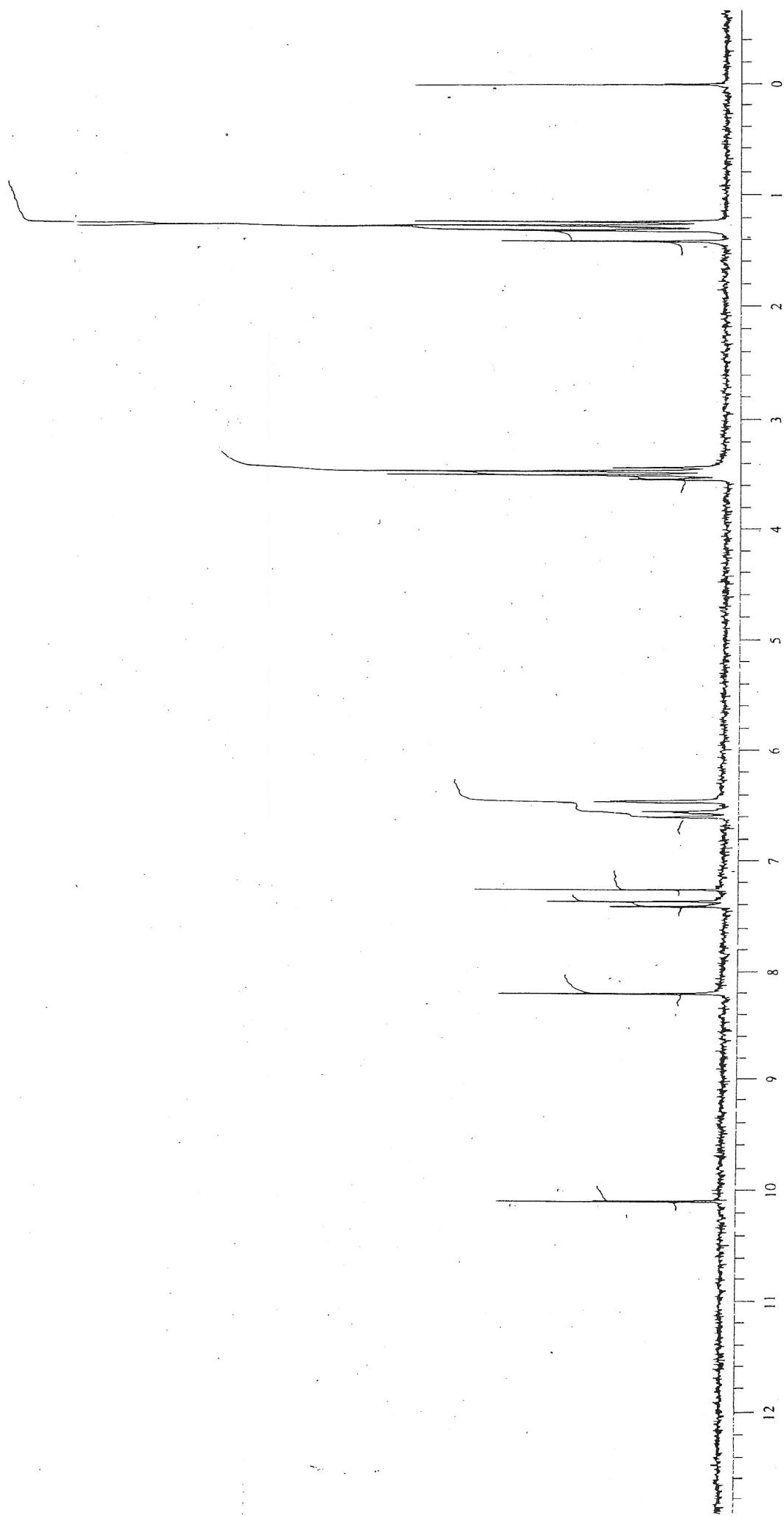
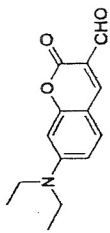
	Reten. Time [min]	Area [mV.s]	Height [mV]	Area [%]
1	3.690	2.082	0.180	0.1
2	4.973	3.210	0.204	0.1
3	5.627	3285.506	501.696	99.8
	Total	3290.799	502.080	100.0

Mobile Phase : Methanol + Water (60+40), Column : Kromasil C<sub>18</sub>(250x 4.6mm) Wave length : 254 , flow rate ; 1.0ml/min.



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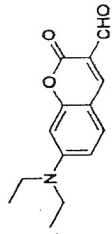
Catalog no.: 19-421  
Product name: 7-Diethylamino-3-formylcoumarin  
Lot No.: 0612103



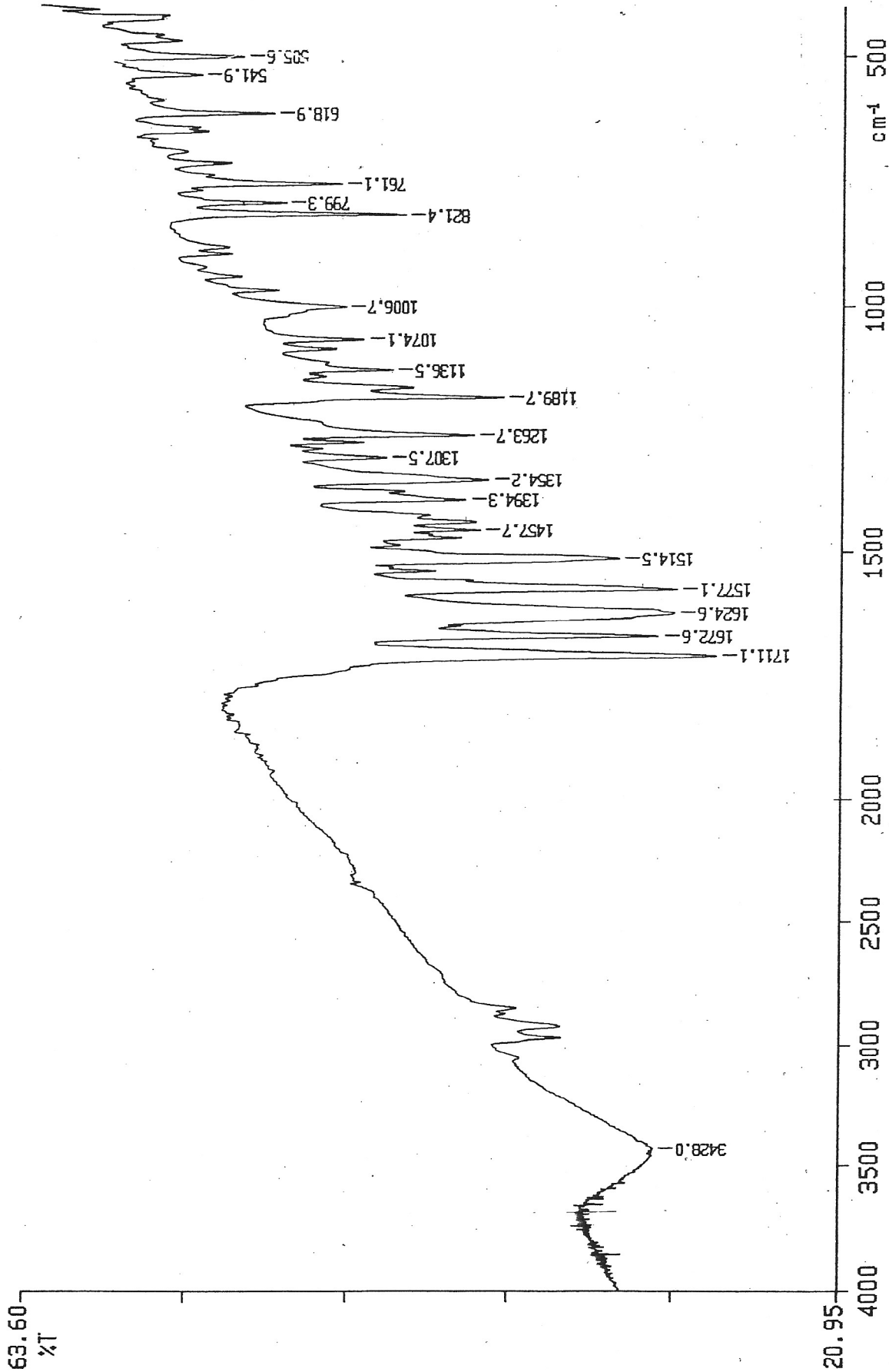


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PERKIN ELMER



X: 1 scan, 4.0cm-1