



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

e-mail: chemical@indofinechemical.com

CERTIFICATE OF ANALYSIS

Catalog Number: 19-339

Product Name: **7-CHLORO-3-FORMYLCHROMONE**

Lot Number: 0010249

Chemical Formula: $C_{10}H_5ClO_3$

Molecular Weight: 208.60

Melting Point: 187-189°C

Appearance: Off white fluffy powder

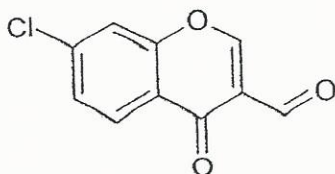
Solubility: Soluble in Chloroform

TLC: Hexane : Ethyl acetate (8:2)

NMR Spectrum: Enclosed (Confirms to the structure)

Storage: Cool dry place

Purity (HPLC): 99.93%





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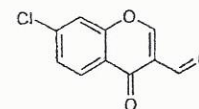
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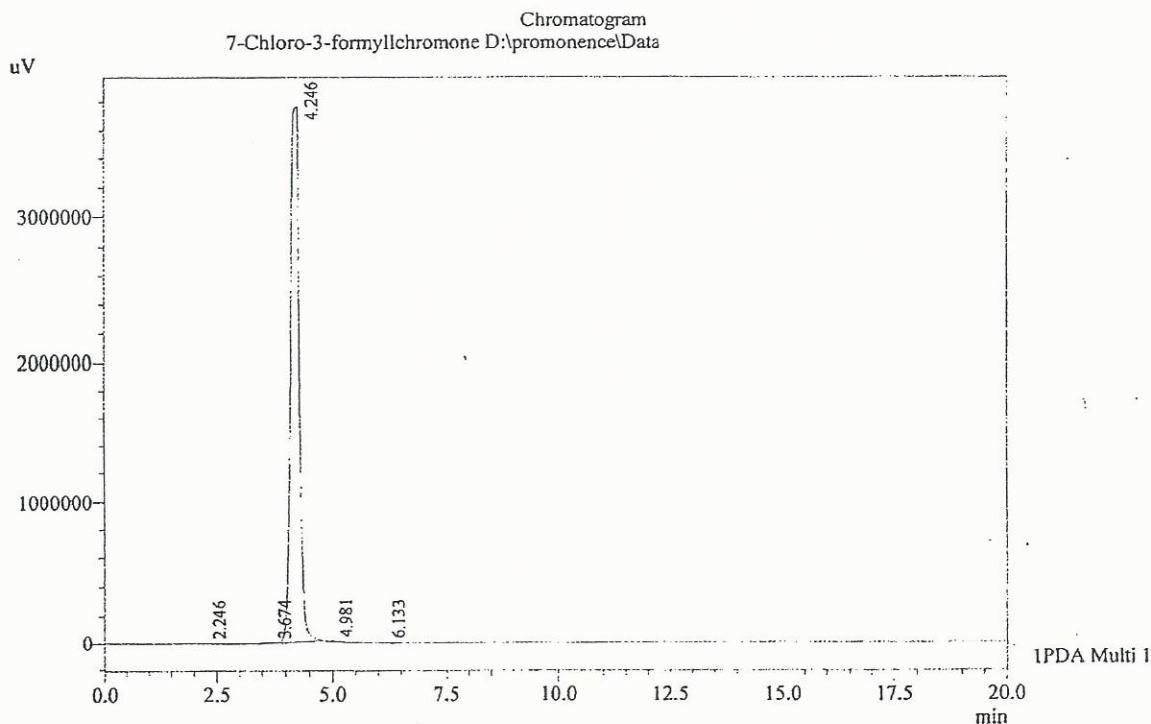
HPLC ANALYSIS

Acquired by : Sanjeev
Sample Name : 7-Chloro-3-formylchromone
Sample ID : Lot No: 0010249
Injection Volume : 20 uL
Data Filename : 300913M.lcd
Method Filename : Linear Isocratic.M.lcm

Catalog No.: 19-339
Product Name: 7-Chloro-3-formylchromone
Lot No.: 0010249



Column : LUNA C-18(2), (250mm x4.6mm 5.0μ)
Flow : 1.000 mL/min.
Mobile Phase : A(30% of 0.05% TFA in water) B(70% of Acetonitrile)
Diluent : Acetonitrile



1 PDA Multi 1 / 254nm 4nm

PeakTable

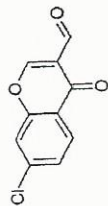
PDA Ch1 254nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:2.246	2.246	3077	0.01	0.53
2	RT:3.674	3.674	21260	0.04	0.87
3	7-Cl-3-formylchromone	4.246	48782404	99.93	1.00
4	RT:4.981	4.981	7354	0.02	1.17
5	RT:6.133	6.133	3707	0.01	1.44
Total			48817802	100.00	



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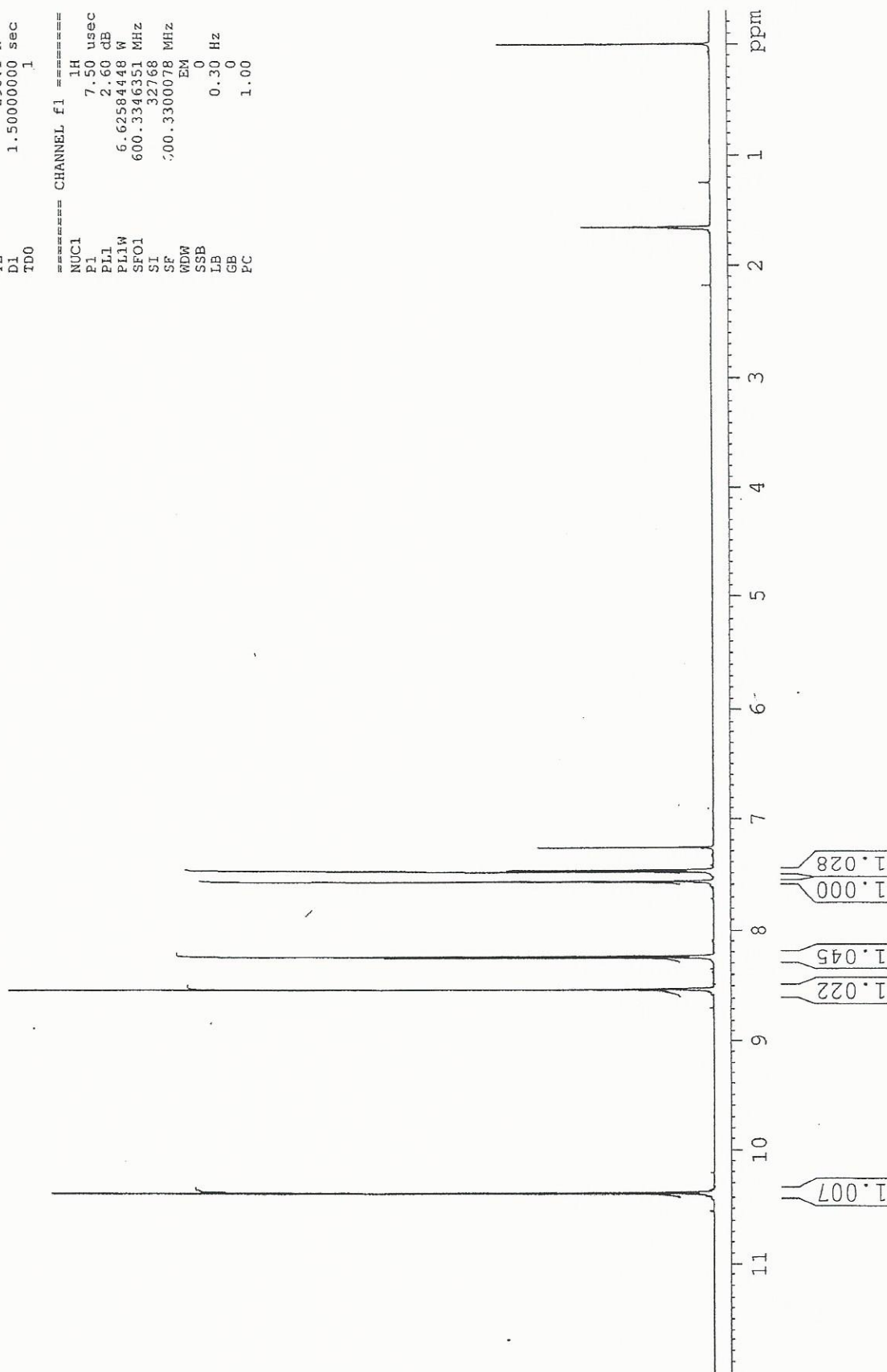
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¹H IN CDCL₃
AVANCE-600

SOLVENT CDCL₃
NS 8
DS 0
SWH 10245.901 Hz
FIDRES 0.284166 Hz
AQ 1.7595828 sec
RG 22.6
DW 48.800 usec
DE 6.00 usec
TE 298.1 K
D1 1.50000000 sec
TD0 1

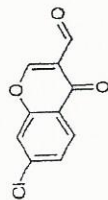
===== CHANNEL f1 =====
NUC1 ¹H
P1 7.50 usec
PL1 2.60 dB
PL1W 6.62584448 W
SFO1 600.3346351 MHz
SI 32768
SF 500.3300078 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00





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