



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: 19-089

Product Name: **6-CHLORO-3-FORMYL-7-METHYLCHROMONE**

CAS Number: [64481-12-5]

Lot Number: 99042

Chemical Formula: $C_{11}H_7ClO_3$

Molecular Weight: 222.63

Melting Point: 182-184°C

Appearance: Cream fluffy powder

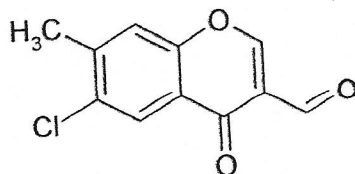
Solubility: Soluble in Chloroform

TLC: Hexane : Ethyl acetate (8:2)

NMR Spectrum: Enclosed (Confirms to the structure)

Storage: Cool dry place

Purity(HPLC): 99.96%





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HPLC ANALYSIS

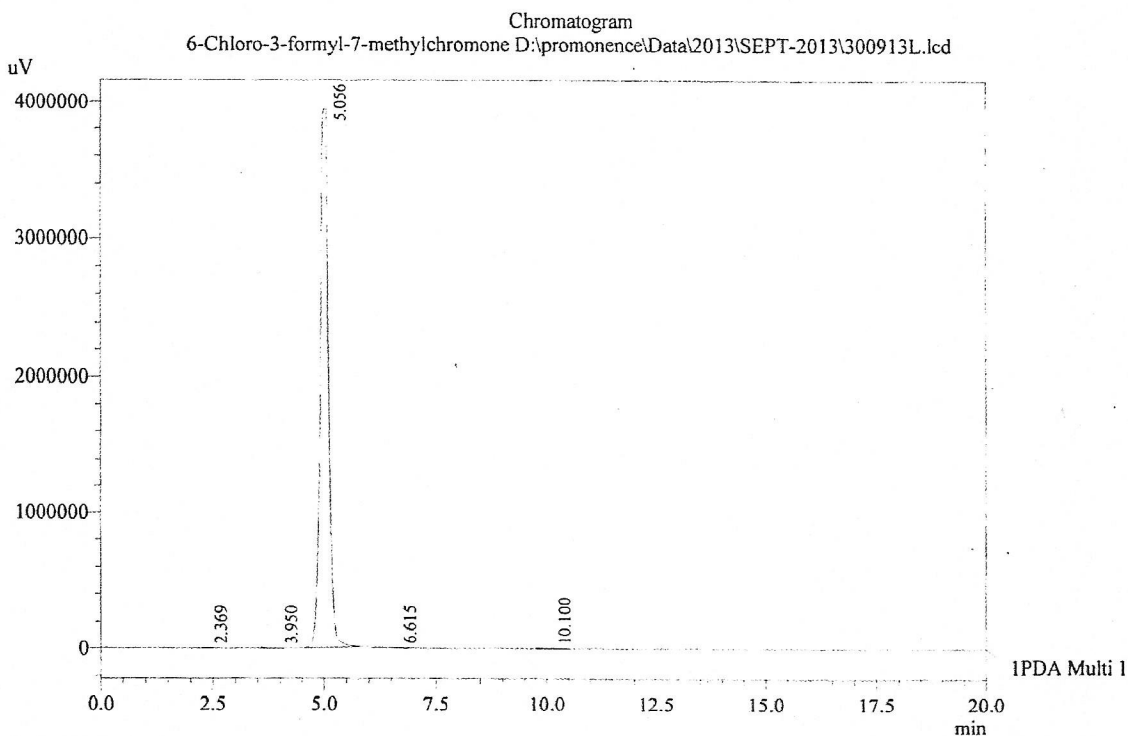
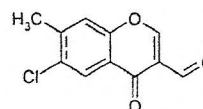
Acquired by : Sanjeev
Sample Name : 6-Chloro-3-formyl-7-methylchromone
Sample ID : Lot No: 99042
Injection Volume : 20 uL
Data Filename : 300913L.lcd
Method Filename : Linear Isocratic.M.lcm

Catalog No.: 19-089

Product Name: 6-Chloro-3-formyl-7-methylchromone

Lot No.: 99042

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 / 240nm 4nm

PeakTable

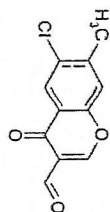
PDA Ch1 240nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:2.369	2.369	9857	0.02	0.47
2	RT:3.950	3.950	2818	0.01	0.78
3	6-Cl-3-formyl-7-Me chromone	5.056	50610590	99.96	1.00
4	RT:6.615	6.615	4568	0.01	1.31
5	RT:10.100	10.100	5162	0.01	2.00
Total			50632996	100.00	



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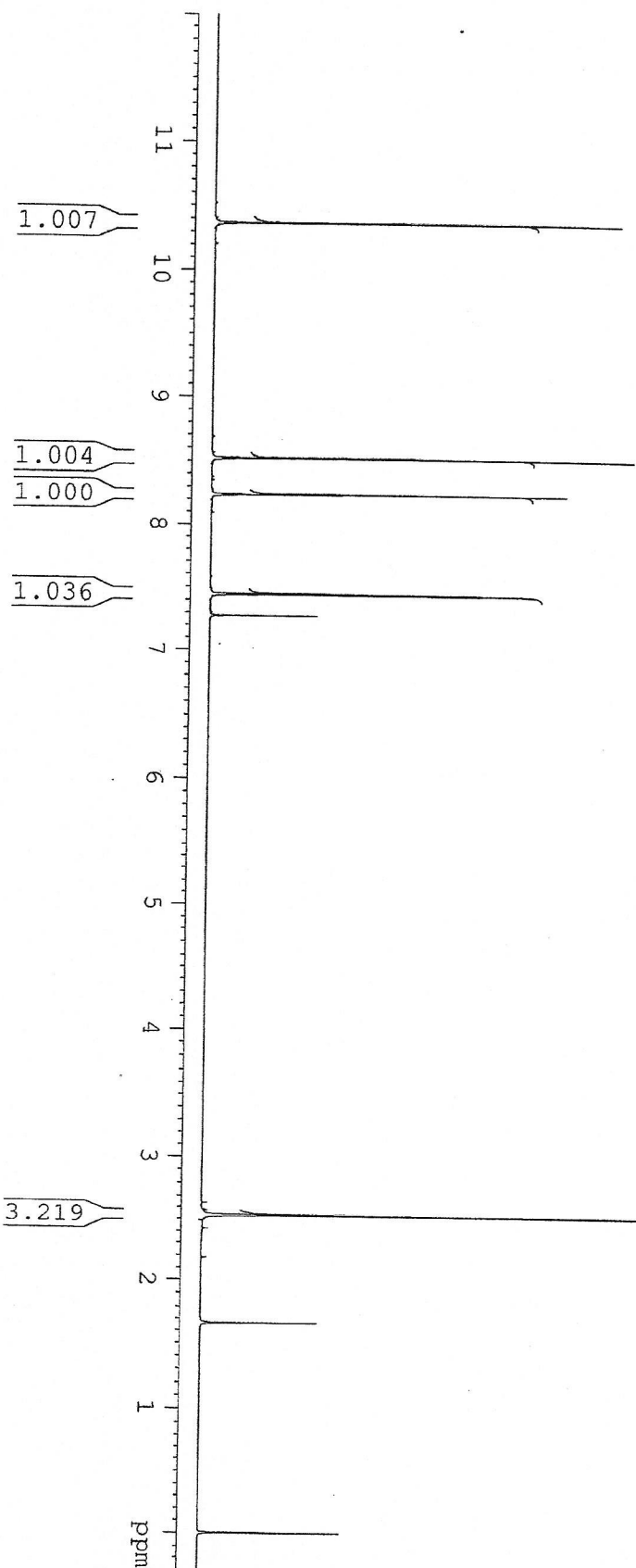
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Lot No.: 99042



ICC-SEP-05
1H IN CDCL3
AVANCE-600

SOLVENT CDC13
NS 8
DS 0
SMH 10245.901 Hz
FIDRES 0.284166 Hz
AQ 1.7595828 sec
RG 22.6
DM 48.800 usec
DE 6.00 usec
TE 288.2 K
D1 1.5000000 sec
TD0 1

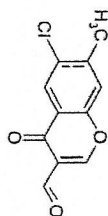
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NUC1 1H
P1 7.50 usec
PL1 2.60 dB
PL1W 6.62584448 W
SFO1 600.3346351 MHz
SI 32768
SF 600.3300079 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00





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Product Name: 6-Chloro-3-formyl-7-methylchromone
Lot No.: 99042



ICC-SEP-05
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 298.2 K
D1 1.50000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
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PL1 2.60 dB
PL1W 6.62584448 W
SFO1 600.3346351 MHz
SI 32768
SF 600.330079 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

