



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: 17-131

Product Name: **3',5'-DIMETHYL-2'-HYDROXYACETOPHENONE**

CAS Number: [103323-25-7]

Lot Number: 97040

Chemical Formula: $C_{10}H_{12}O_2$

Molecular Weight: 164.20

Melting Point: 53-55°C

Appearance: Pale yellow crystalline powder

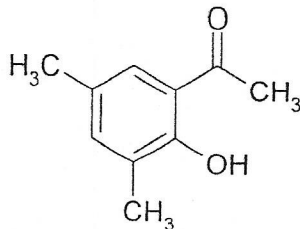
TLC: Hexane: Ethyl acetate (8:2)

NMR Spectrum: Enclosed (Conforms to the structure)

Solubility: Soluble in chloroform

Storage: Store in a cool, dry place

Purity(HPLC): 99.81%





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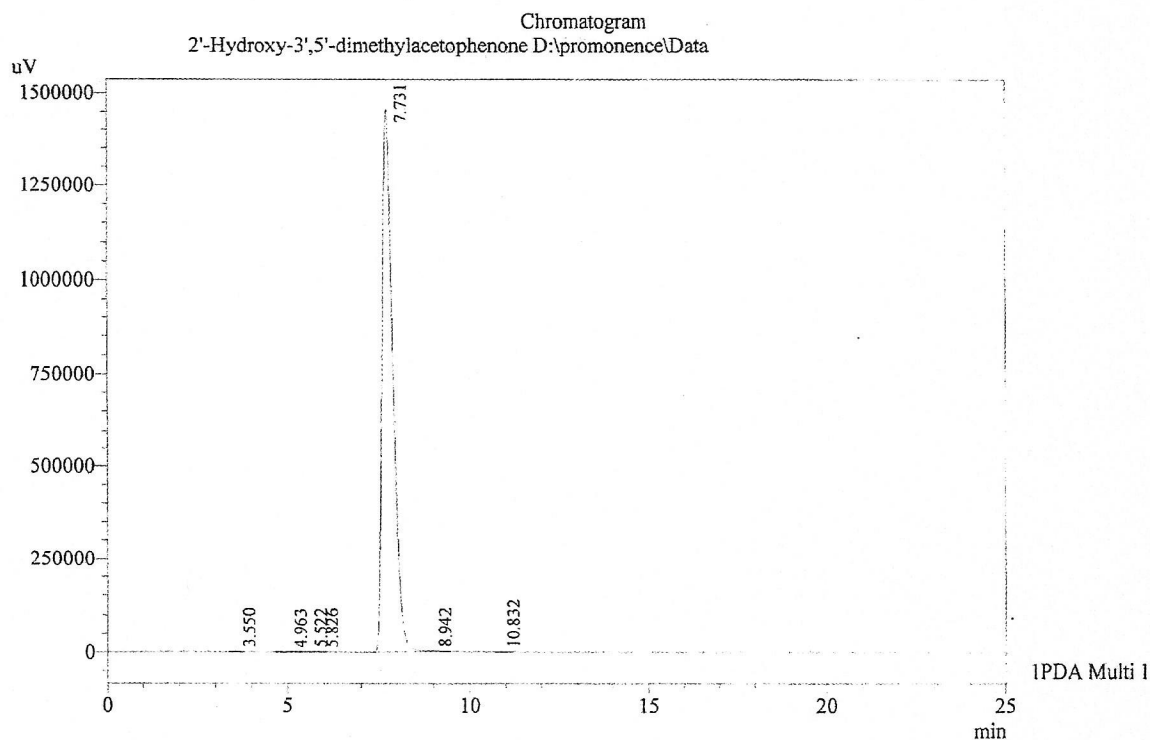
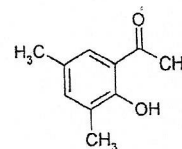
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HPLC ANALYSIS

Acquired by : Sanjeev
Sample Name : 2'-Hydroxy-3',5'-dimethylacetophenone
Sample ID : Lot No: 97040
Injection Volume : 20 uL
Data Filename : 020314F.lcd
Method Filename : Linear Isocratic.M.lcm

Catalog No.: 17-131
Product Name: 3',5'-Dimethyl-2'-hydroxyacetophenone
Lot No.: 97040

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



1 PDA Multi 1 / 254nm 4nm

PeakTable

PDA Ch1 254nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:3.550	3.550	14090	0.05	0.46
2	RT:4.963	4.963	5058	0.02	0.64
3	RT:5.522	5.522	19454	0.07	0.71
4	RT:5.826	5.826	10640	0.04	0.75
5	2'-OH-3',5'-dimethylacetopheno	7.731	29475248	99.81	1.00
6	RT:8.942	8.942	3897	0.01	1.16
7	RT:10.832	10.832	3033	0.01	1.40
Total			29531420	100.00	



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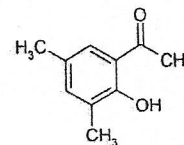
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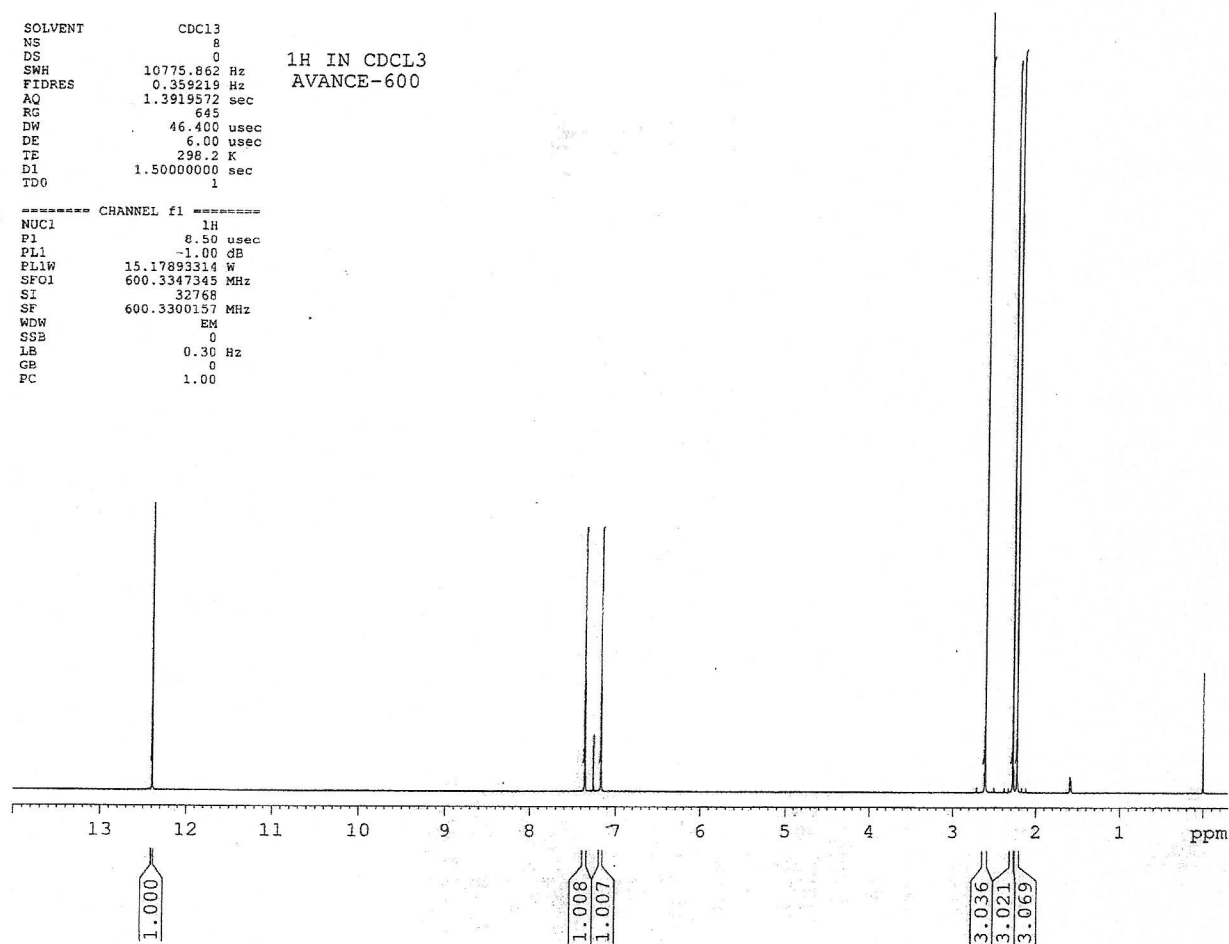
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SOLVENT CDC13
NS 8
DS 0
SWH 10775.862 Hz
FIDRES 0.359219 Hz
AQ 1.3919572 sec
RG 645
DW 46.400 usec
DE 6.00 usec
TE 298.2 K
D1 1.5000000 sec
TD0 1

1H IN CDCL3
AVANCE-600

----- CHANNEL f1 -----
NUC1 1H
P1 8.50 usec
PL1 -1.00 dB
PL1W 15.17893314 W
SFO1 600.3347345 MHz
SI 32768
SF 600.3300157 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00





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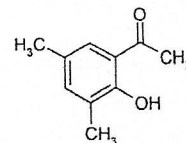
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Product Name: 3',5'-Dimethyl-2'-hydroxyacetophenone

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SOLVENT CDCL₃
NS 8
DS 0
SWH 10775.862 Hz
FIDRES 0.359219 Hz
AQ 1.3919572 sec
RG 645
DW 46.400 usec
DE 6.00 usec
TE 298.2 K
D1 1.50000000 sec
TD0 1

1H IN CDCL₃
AVANCE-600

===== CHANNEL f1 =====
NUC1 1H
P1 8.50 usec
PL1 -1.00 dB
PL1W 15.17893314 W
SF01 600.3347345 MHz
SI 32768
SF 600.3300157 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

