



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: H-035

Product Name: **2'-HYDROXY-5'-METHYLACETOPHENONE**

CAS Number: [1450-72-2]

Lot Number: 92043

Chemical Formula: C₉H₁₀O₂

Molecular Weight: 150.18

Melting Point: 46-47°C

Appearance: Off white powder

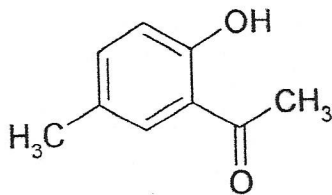
Solubility: Soluble in Chloroform

TLC: Hexane:Ethyl acetate (9:1)

NMR Spectrum: Enclosed (Confirms to the structure)

Storage: Cool dry place

Purity (HPLC): 99.62%





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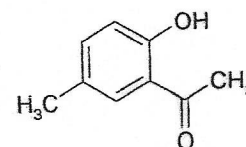
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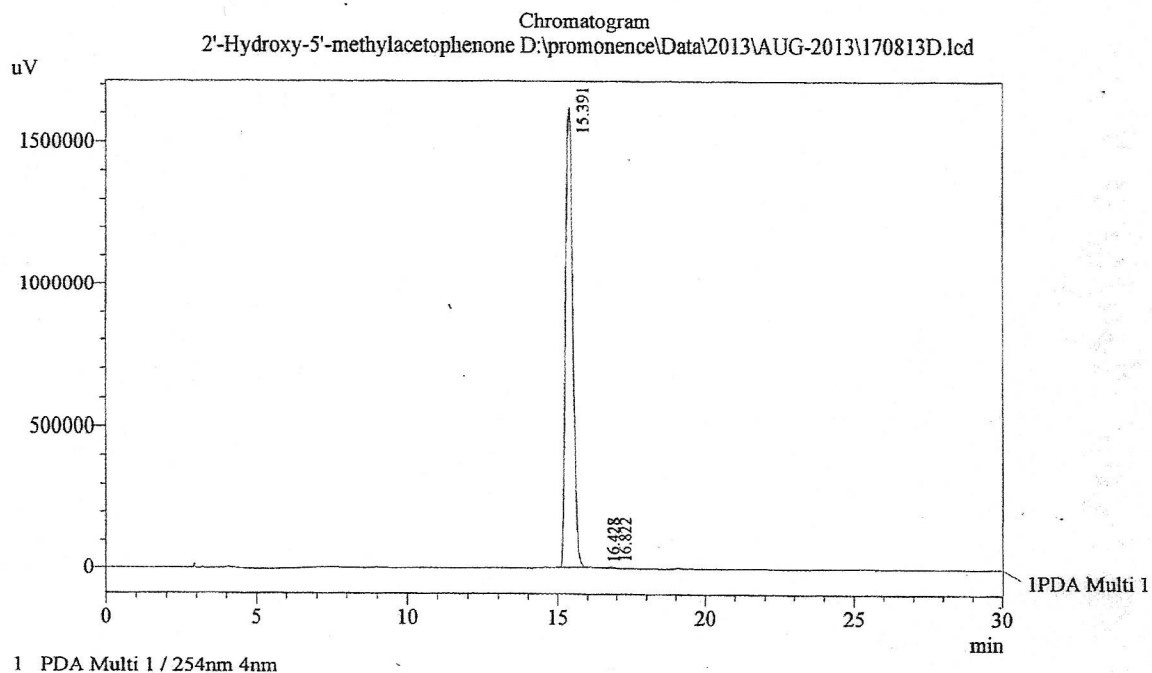
HPLC ANALYSIS

Acquired by : Sanjeev
Sample Name : 2'-Hydroxy-5'-methylacetophenone
Sample ID : Lot No: 92043
Injection Volume : 20 uL
Data Filename : 170813D.lcd
Method Filename : Linear Gradient.M.lcm

Catalog No.: H-035
Product Name: 2'-Hydroxy-5'-methylacetophenone
Lot No.: 92043



Column : LUNA C-18(2), (250mm x4.6mm 5.0μ)
Flow : 1.000 mL/min.
Mobile Phase : A(0.05% TFA in water) B(Acetonitrile)
0.01 90 10
12.0 10 90
20.0 10 90
23.0 90 10
30.0 90 10
Diluent : Methanol



PeakTable

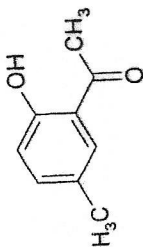
PDA Ch1 254nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	2'-OH-5'-methylacetophenone	15.391	27672384	99.62	1.00
2	RT:16.428	16.428	27168	0.10	1.07
3	RT:16.822	16.822	78438	0.28	1.09
Total			27777989	100.00	



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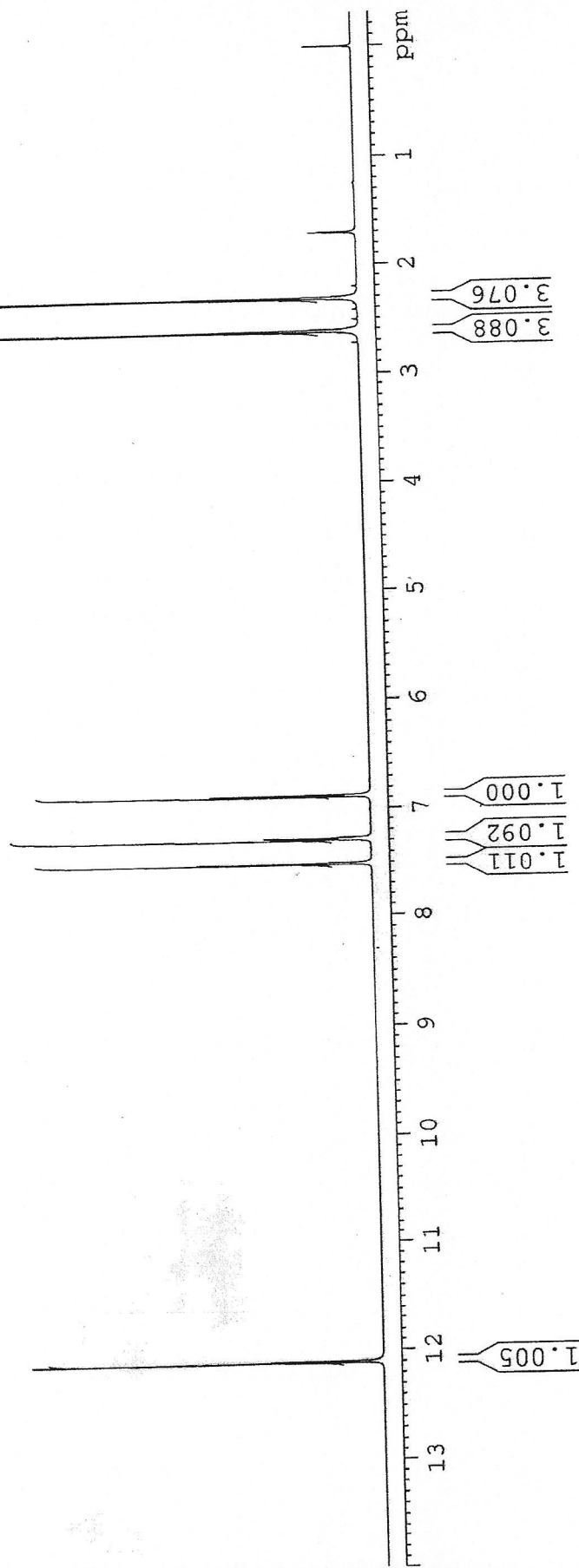
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Product Name: 2'-Hydroxy-5'-methyl
acetophenone
Lot No.: 92043



1H IN CDCL3
AVANCE-600

SOLVENT CDCL3
NS 9
DS 0
SWH 10638.298 Hz
FIDRES 0.354634 Hz
AQ 1.4099560 sec
RG 22.6
47.000 usec
DE 6.00 usec
TE 298.3 K
D1 1.50000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 7.50 usec
PL1 2.60 dB
PL1W 6.62584448 W
SFO1 600.3348395 MHz
SI 32768
SF 600.3300117 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00





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HILLSBOROUGH, NJ 08844

Catalog No.: H-035

Product Name: 2'-Hydroxy-5'-methyl

acetophenone

Lot No.: 92043

SOLVENT

CDCL₃

9

NS

DS

SWH

FIDRES

AQ

RG

DW

DE

TE

D1

TD0

10638.298 Hz

0.354634 Hz

1.4099560 sec

22.6

47.000 usec

6.00 usec

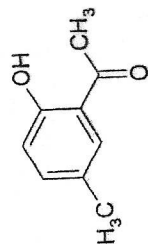
298.3 K

1.50000000 sec

1

1H IN CDCL₃

AVANCE-600



CHANNEL f1

NUC1

1H

7.50 usec

2.60 dB

6.62584448 W

600.3348395 MHz

32768

600.3300117 MHz

EM

0

0.30 Hz

0

1.00

PC

7.506

7.294
7.292
7.280
7.278
7.266

6.887
6.873

2.617
2.313

3.0 2.8 2.6 2.4 2.2 2.0 ppm

7.55 7.50 7.45 7.40 7.35 7.30 7.25 7.20 7.15 7.10 7.05 7.00 6.95 6.90 ppm