



# 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

Catalog Number: H-030

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

CAS Number: [705-15-7]

Lot Number: 1404451

Chemical Formula: C<sub>9</sub>H<sub>10</sub>O<sub>3</sub>

Molecular Weight: 166.18

Melting Point: 47-49°C

Appearance: Dark yellow crystalline powder

Moisture(KF): 0.4%

Solubility: Soluble in Chloroform

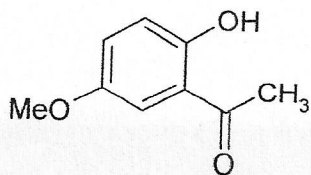
TLC: Hexane:Ethyl acetate (8:2)

NMR Spectrum: Enclosed (conforms to the structure)

Storage: Store in a cool, dry place

Purity(HPLC): 99.28%

Purity(GC): 99.42%



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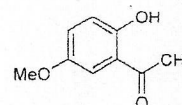
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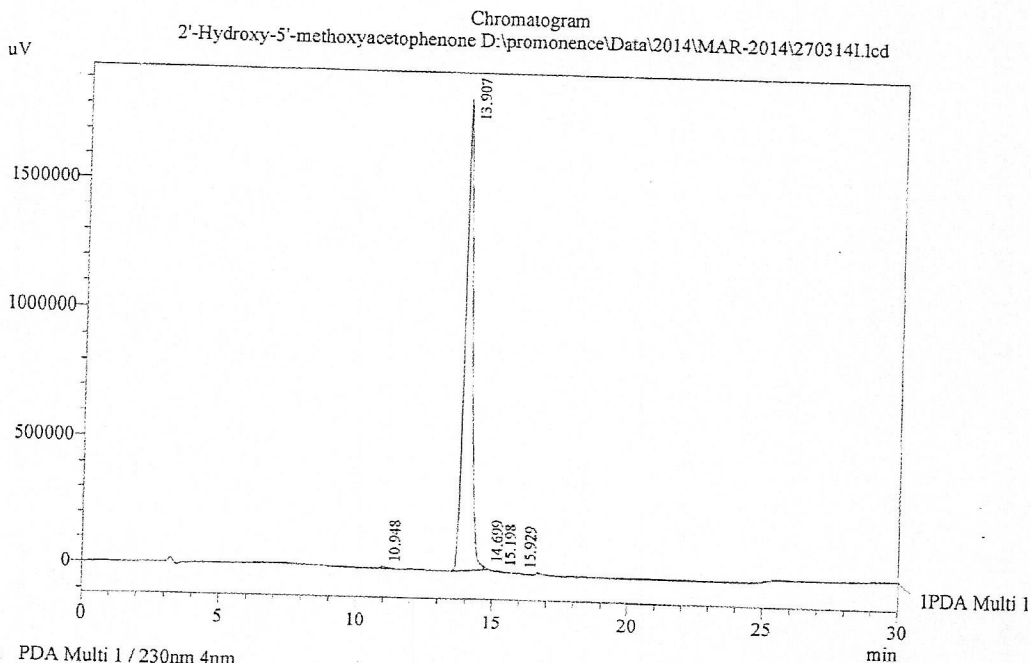
## HPLC ANALYSIS

Acquired by : Sanjeev  
Sample Name : 2'-Hydroxy-5'-methoxyacetophenone  
Sample ID : 40Kgs Lot  
Injection Volume : 20 uL  
Data Filename : 2703141.lcd  
Method Filename : Linear Gradient.M.lcm

Catalog No.: H-030  
Product Name: 2'-Hydroxy-5'-methoxyacetophenone  
Lot No.: 1404451



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 : Acetonitrile



PeakTable

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:10.948	10.948	134703	0.37	0.79
2	2'-OH-5'-methoxyacetophenone	13.907	36020808	99.28	1.00
3	RT:14.699	14.699	62658	0.17	1.06
4	RT:15.198	15.198	22147	0.06	1.09
5	RT:15.929	15.929	42958	0.12	1.15
Total			36283274	100.00	



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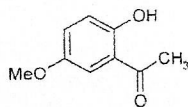
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## GC ANALYSIS



Catalog No.: H-030

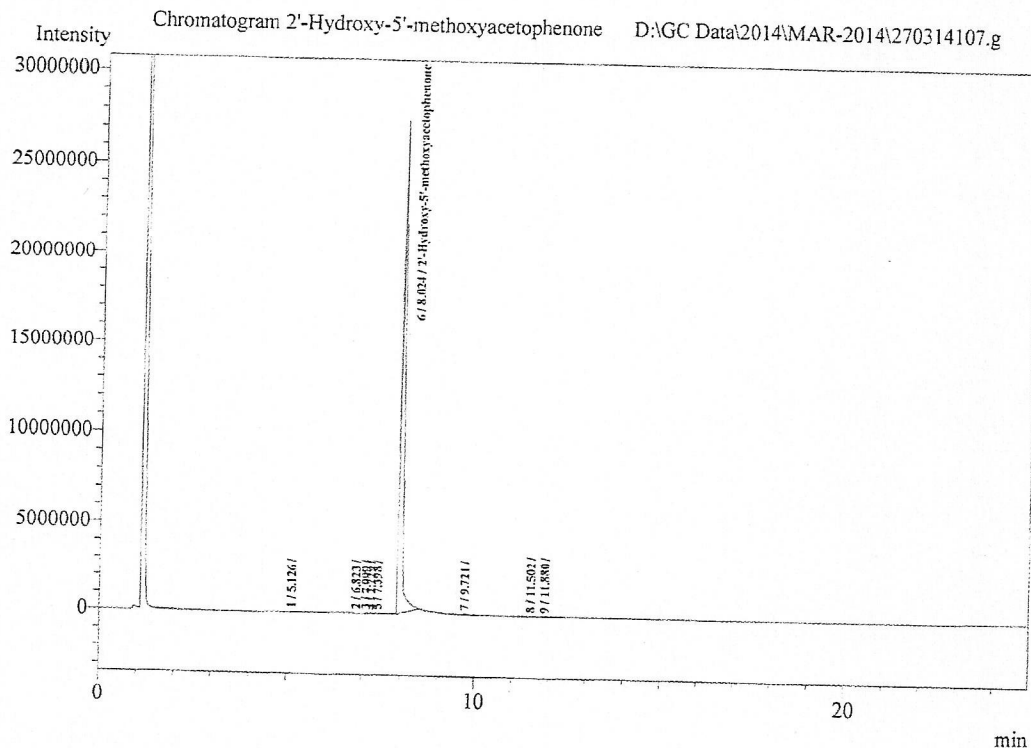
Product Name: 2'-Hydroxy-5'-methoxyacetophenone

Lot No.: 1404451

User Name : Sanjeev  
Sample Name : 2'-Hydroxy-5'-methoxyacetophenone  
Sample ID : 40 Kgs lot  
Method Name : D:\Methods\BRC Method.gcm  
Data File Name : D:\GC Data\2014\MAR-2014\270314107.gcd

### Description

Column : ZB-5 - (30M x 0.32mm x 1.0 um)  
Injector temp - 250°C  
Detector temp - 300°C  
Column temp - 80°C hold 2min 20°C/min to 280°C hold 13 mi



Peak#	Ret.Time	Area	Height	Area%	Name
1	5.126	177676	4707	0.11	
2	6.823	20268	2517	0.01	
3	7.099	15467	2456	0.01	
4	7.229	19100	3437	0.01	
5	7.398	68395	9388	0.04	
6	8.024	155190526	27471159	99.42	2'-Hydroxy-5'-methoxyacetophenone
7	9.721	400016	20445	0.26	
8	11.502	160002	6551	0.10	
9	11.880	51105	3551	0.03	
Total		156102555	27524211	100.00	



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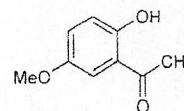
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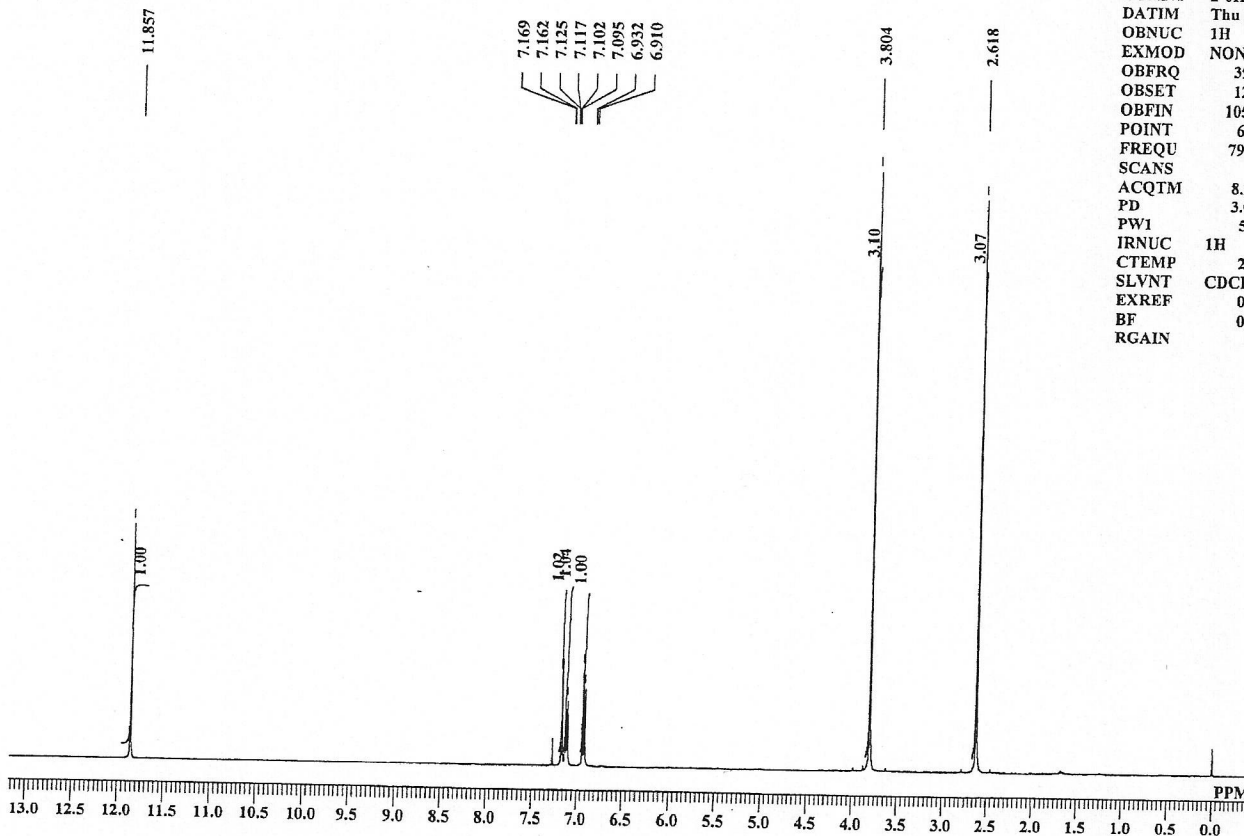
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Product Name: 2'-Hydroxy-5'-methoxyacetophenone  
Lot No.: 1404451



2-oH-5-oMe-APIH NMR CDCl3

Analysed By: MSR



DFILE	2-OH-5-OMe-APIH.als
COMNT	2-oH-5-oMe-APIH NMR CDCl3
DATIM	Thu Mar 27 19:57:37 2014
OBNUC	1H
EXMOD	NON
OBFRQ	399.65 MHz
OBSET	124.00 KHz
OBFIN	10500.00 Hz
POINT	65536
FREQU	7992.01 Hz
SCANS	32
ACQTM	8.2002 sec
PD	3.0000 sec
PWI	5.80 nsec
IRNUC	1H
CTEMP	21.6 c
SLVNT	CDCl3
EXREF	0.00 ppm
BF	0.30 Hz
RGAIN	14



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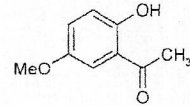
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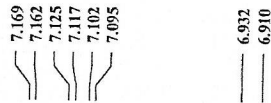
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2-oH-5-oMe-APIH NMR CDC13  
Analysed By : MSR



DFILE	2-OH-5-OMe-APIH.als
COMNT	2-oH-5-oMe-APIH NMR CDC13
DATIM	Thu Mar 27 19:57:37 2014
OBNUC	1H
EXMOD	NON
OBFRQ	399.65 MHz
OBSET	124.00 KHz
OBFIN	10500.00 Hz
POINT	65536
FREQU	7992.01 Hz
SCANS	32
ACQTM	8.2002 sec
PD	3.0000 sec
PW1	5.80 usec
IRNUC	1H
CTEMP	21.6 c
SLVNT	CDCL3
EXREF	0.00 ppm
BF	0.30 Hz
RGAIN	14

