



# INDOFINE Chemical Company, Inc.

121 Stryker Lane, Bldg. 30, Suite 1 • Hillsborough, NJ 08844 • U.S.A.

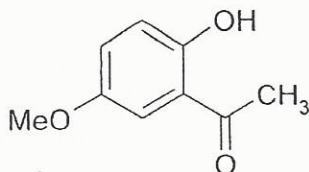
Phone: (908) 359-6778 • FAX: (908) 359-1179

website: [www.indofinechemical.com](http://www.indofinechemical.com)

e-mail: [chemical@indofinechemical.com](mailto:chemical@indofinechemical.com)

## CERTIFICATE OF ANALYSIS

<u>Catalog Number:</u>	H-030
<u>Product Name:</u>	<b>2'-HYDROXY-5'-METHOXYACETOPHENONE</b>
<u>CAS Number:</u>	[705-15-7]
<u>Lot Number:</u>	1507625
<u>Chemical Formula:</u>	C <sub>9</sub> H <sub>10</sub> O <sub>3</sub>
<u>Molecular Weight:</u>	166.18
<u>Melting Point:</u>	49.5-51.5°C
<u>Appearance:</u>	Yellow crystalline powder
<u>Moisture(KF):</u>	0.28%
<u>Solubility:</u>	Soluble in Chloroform/Methanol
<u>TLC:</u>	Hexane:Ethyl acetate (7:3)
<u>NMR Spectrum:</u>	Enclosed (conforms to the structure)
<u>Storage:</u>	Store in a cool, dry place
<u>Purity(HPLC):</u>	99.93%





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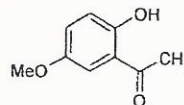
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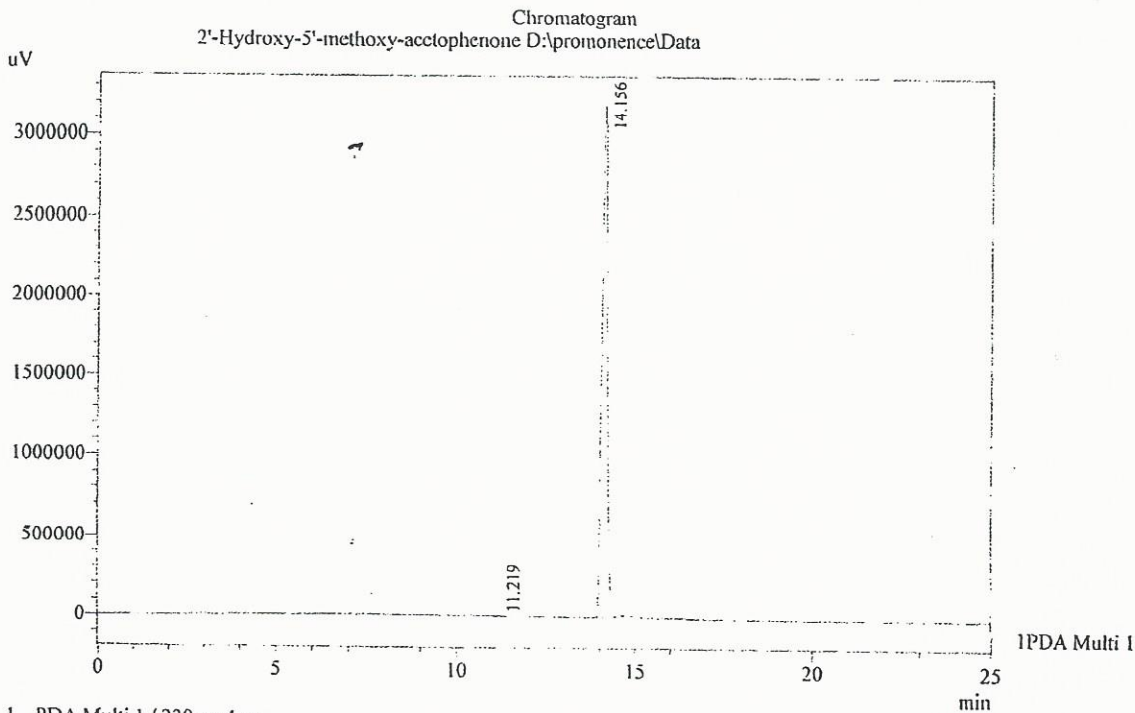
## HPLC ANALYSIS

Acquired by : Admin  
 Sample Name : 2'-Hydroxy-5'-methoxy-acetophenone  
 Sample ID : 2nd 80 kg Lot  
 Injection Volume : 20 uL  
 Data Filename : 110715J.lcd  
 Method Filename : Linear Gradient.M.lcm

Catalog No.: H-030  
 Product Name: 2'-Hydroxy-5'-methoxyacetophenone  
 Lot No.: 1507625



Column : LUNA C-18, (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  
 25.0 90 10  
 Diluent : Acetonitrile



PeakTable

PDA Ch1 230nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	2',5'-DiOH ACP	11.219	25092	0.07	0.79
2	2'-OH-5'-OMe ACP	14.156	34104651	99.93	1.00
Total			34129743	100.00	



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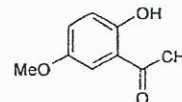
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Catalog No.: H-030

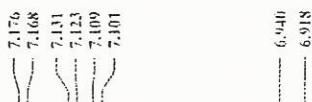
Product Name: 2'-Hydroxy-5'-methoxyacetophenone

Lot No.: 1507625



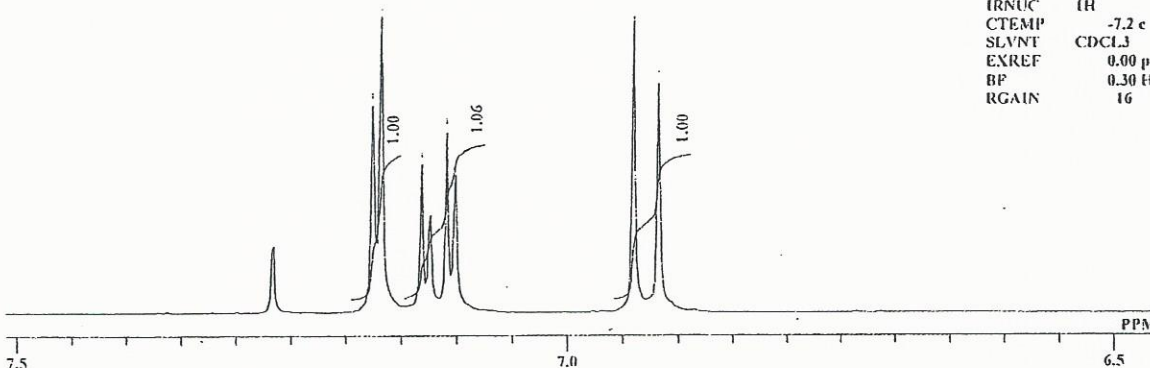
OME-OH-ACP-80Kg Lot-II (July-2015) <sup>1</sup>H NMR CDCl<sub>3</sub>

Analysed By : TJR



DFILE OME-OH-ACP-80Kg Lot-II  
COMNT OME-OH-ACP-80Kg Lot-II

OBNUC <sup>1</sup>H  
EXMOD NON  
OBFRQ 399.65 MHz  
OBSET 124.00 KHz  
OBPIN 10500.00 Hz  
POINT 16384  
FREQU 10498.69 Hz  
SCANS 16  
ACQTM 1.5606 sec  
PD 3.0000 sec  
PWT 6.00 usec  
IRNUC <sup>1</sup>H  
CTEMP -7.2 c  
SLVNT CDCl<sub>3</sub>  
EXREF 0.00 ppm  
BP 0.30 Hz  
RGAIN 16





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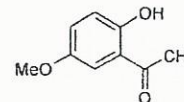
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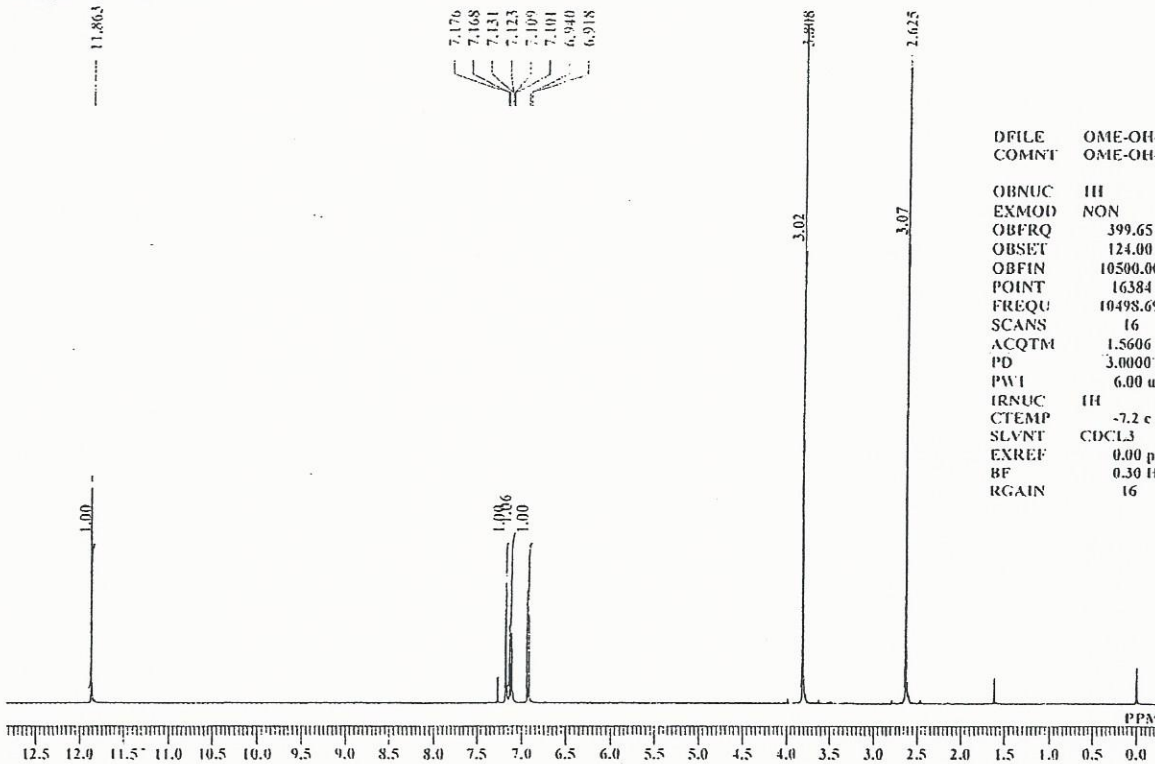
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Catalog No.: H-030  
Product Name: 2'-Hydroxy-5'-methoxyacetophenone  
Lot No.: 1507625



OME-OH-ACP-80Kg Lot-II (July-2015) 1H NMR CDCl<sub>3</sub>

Analysed By : T.JR



DFILE OME-OH-ACP-80Kg Lot-II  
COMNT OME-OH-ACP-80Kg Lot-II

OBNUC IH  
EXMOD NON  
OBFRQ 399.65 MHz  
OBSET 124.00 KHz  
OBFIN 10500.00 Hz  
POINT 16384  
FREQU 10498.69 Hz  
SCANS 16  
ACQTM 1.5606 sec  
PD 3.0000 sec  
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CTEMP -7.2 c  
SLVNT CDCl<sub>3</sub>  
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RGAIN 16

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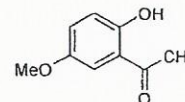
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Catalog No.: H-030

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

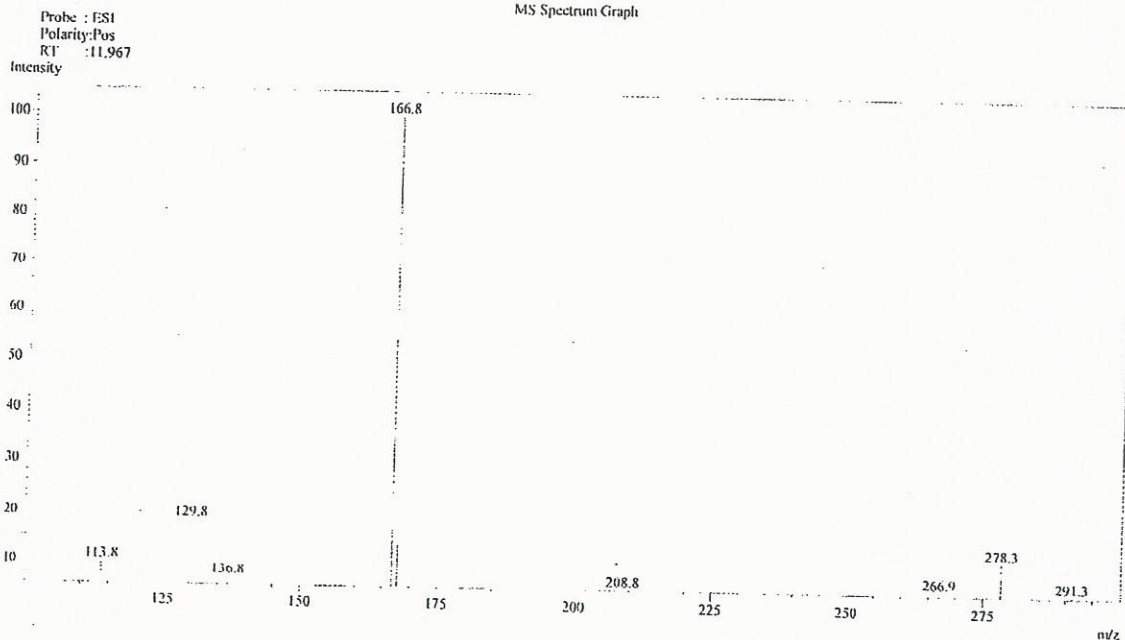
Lot No.: 1507625



*LC-MS*

Sample Information  
Sample Name : 2-OH-5-OMe ACP(2nd 80 kg lotJuly)  
AR Number :  
Data File : 92SPL11514-04.lcd  
Acquired by : TJR

MS Spectrum Graph





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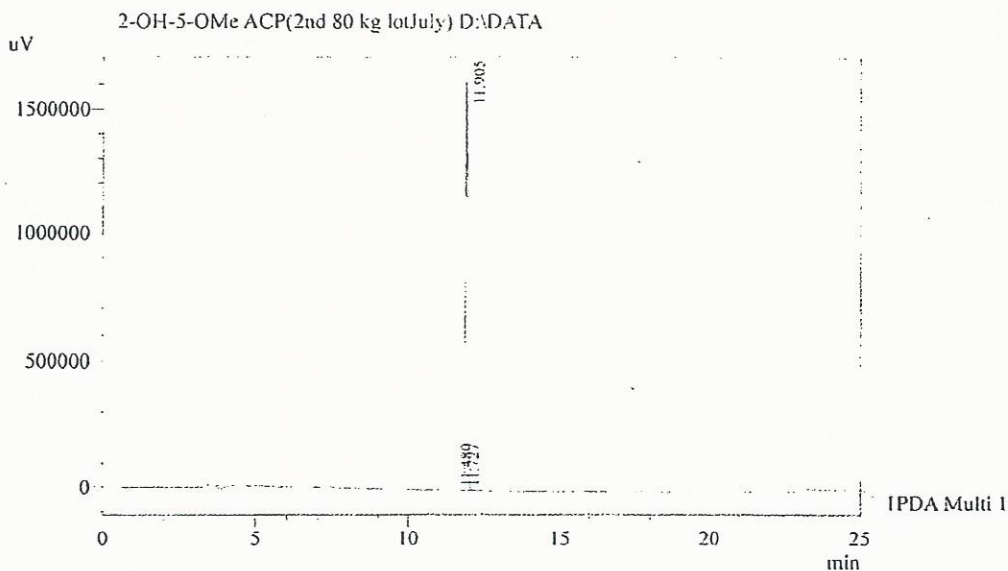
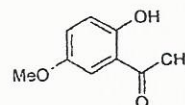
e-mail: [chemical@indofinechemical.com](mailto:chemical@indofinechemical.com)

## LC-MS ANALYSIS

Sample Name : 2-OH-5-OMe ACP  
AR Number :-  
User Id : TJR

Catalog No.: H-030  
Product Name: 2'-Hydroxy-5'-methoxyacetophenone  
Lot No.: 1507625

Acquired Time : 10:35:08  
Method : D:\Methods\External-2015  
Method Parameters : Column : Inertsil ODS, 250 X 4.6 mm, 5 µm  
Mobile Phase: A ACN  
                  B: 0.05% TFA in water  
Flow Rate: 1.0 mL/min  
T(min) : 0.01, 12.0, 20.0, 23.0, 25.0  
B(%) : 90, 10, 10, 90, 90  
Sample Preparation : 10.2mg/50 ml ACN



1 IPDA Multi 1 / 230nm 8nm

PDA Ch1 230nm 8nm

Peak#	Ret. Time	Area	Resolution	Theoretical Plate#	Area %
1	11.480	2241	0.000	135530.625	0.027
2	11.727	5975	1.846	107306.875	0.073
3	11.905	8165328	1.214	102068.496	99.899
Total		8173544			100.000