



INDOFINE Chemical Company, Inc.

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

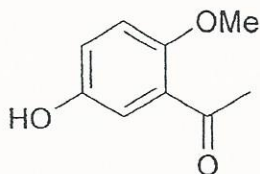
Phone: (908) 359-6778 • FAX: (908) 359-1179

website: www.indofinechemical.com

e-mail: chemical@indofinechemical.com

CERTIFICATE OF ANALYSIS

<u>Catalog Number:</u>	19-594
<u>Product Name:</u>	5'-HYDROXY-2'-METHOXYACETOPHENONE
<u>Cas Number:</u>	[31405-60-4]
<u>Lot Number:</u>	1508665
<u>Chemical Formula:</u>	C ₉ H ₁₀ O ₃
<u>Molecular Weight:</u>	166.18
<u>Melting Point:</u>	82-84°C
<u>Moisture(KF):</u>	0.34%
<u>Appearance:</u>	Pale cream powder
<u>Solubility:</u>	Soluble in chloroform
<u>TLC:</u>	Hexane:Ethyl acetate (8:2)
<u>NMR Spectrum:</u>	Enclosed(conforms to the structure)
<u>Storage:</u>	Store in a cool, dry place
<u>Purity(GC):</u>	99.87%
<u>Purity (HPLC):</u>	99.47%





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

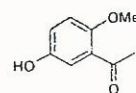
website: www.indofinechemical.com

e-mail: chemical@indofinechemical.com

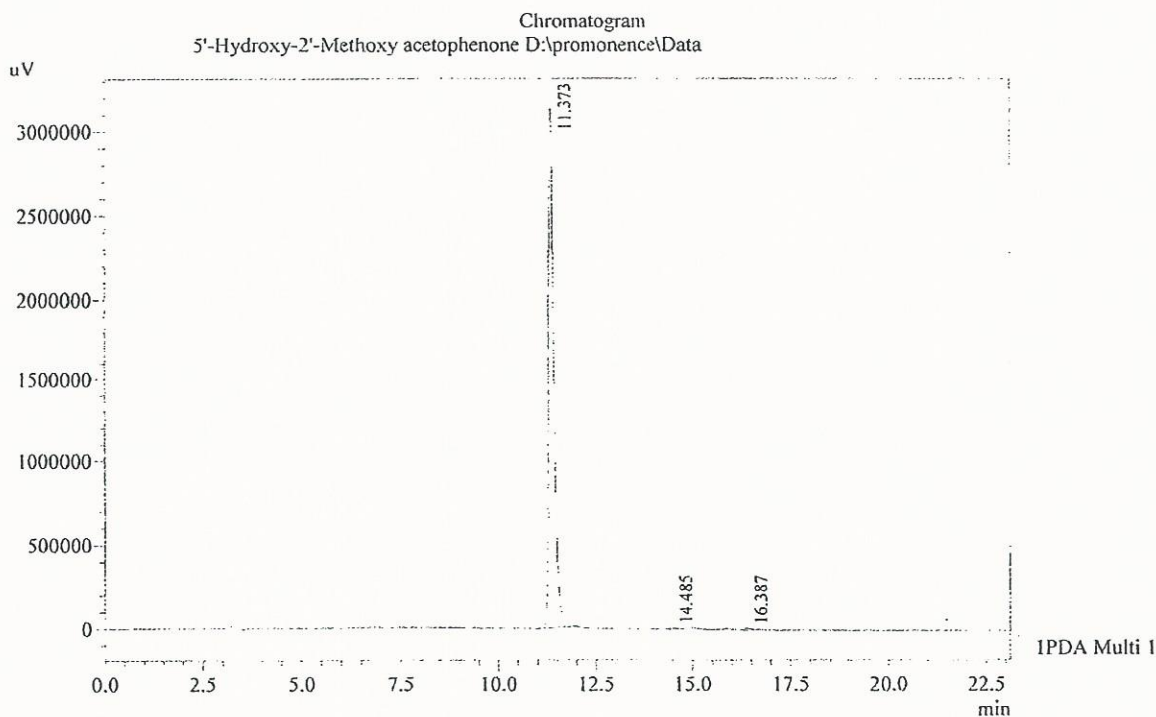
HPLC ANALYSIS

Acquired by : Admin
 Sample Name : 5'-Hydroxy-2'-Methoxy acetophenone
 Sample ID : 1.25 kg
 Injection Volume : 20 uL
 Data Filename : 180815D.lcd
 Method Filename : Linear Gradient.M.lcm

Catalog No.: 19-594
 Product Name: 5'-Hydroxy-2'-methoxyacetophenone
 Lot No.: 1508665



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



1 PDA Multi 1 / 230nm 4nm

PeakTable

PDA Ch1 230nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	2'-OMe-5'-OHacetophenone	11.373	28804159	99.47	1.00
2	RT:14.485	14.485	50771	0.18	1.27
3	RT:16.387	16.387	102900	0.36	1.44
Total			28957831	100.00	



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

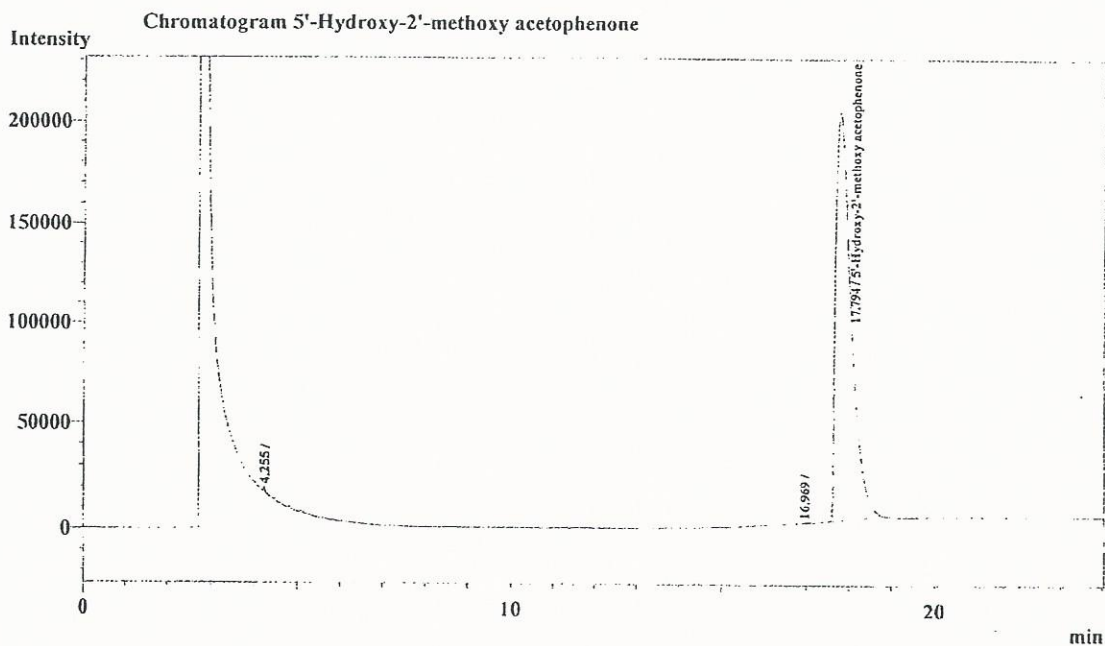
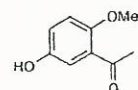
GC ANALYSIS

User Name : Satyanarayana
Sample Name : 5'-Hydroxy-2'-methoxy acetophenone
Sample ID : 1.25 kg
Method Name : D:\Methods\General method.gcm

Catalog No.: 19-594
Product Name: 5'-Hydroxy-2'-methoxyacetophenone
Lot No.: 1508665

Description

Column : EB-5 - (30M x 0.32mm x 1.0 um)
Injector - 250°C
Detector - 300°C
Column temp - 60(5)-20-280(10)



Peak Table - Channel 1					
Peak#	Ret. Time	Area	Height	Area%	Name
1	4.255	5134	2624	0.10	
2	16.969	1064	394	0.02	
3	17.794	4947331	200472	99.87	5'-Hydroxy-2'-methoxy acetophenone
Total		4953529	203490	100.00	



INDOFINE Chemical Company, Inc.

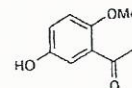
121 Stryker Lane, Bldg. 30, Suite 1 • Hillsborough, NJ 08844 • U.S.A.

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

website: www.indofinechemical.com

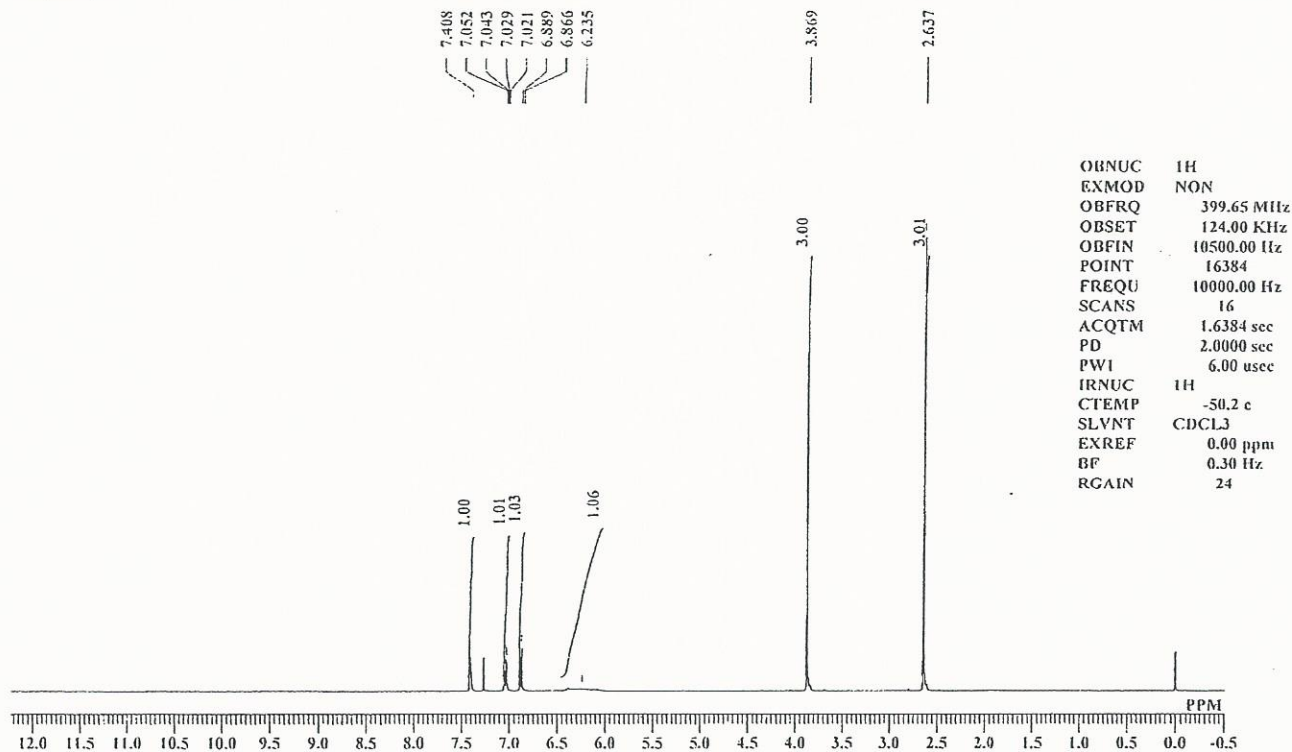
e-mail: chemical@indofinechemical.com

Catalog No.: 19-594
Product Name: 5'-Hydroxy-2'-methoxyacetophenone
Lot No.: 1508665



¹H NMR CDCL₃

Analysed By: BRJ





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

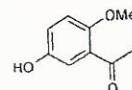
website: www.indofinechemical.com

e-mail: chemical@indofinechemical.com

Catalog No.: 19-594

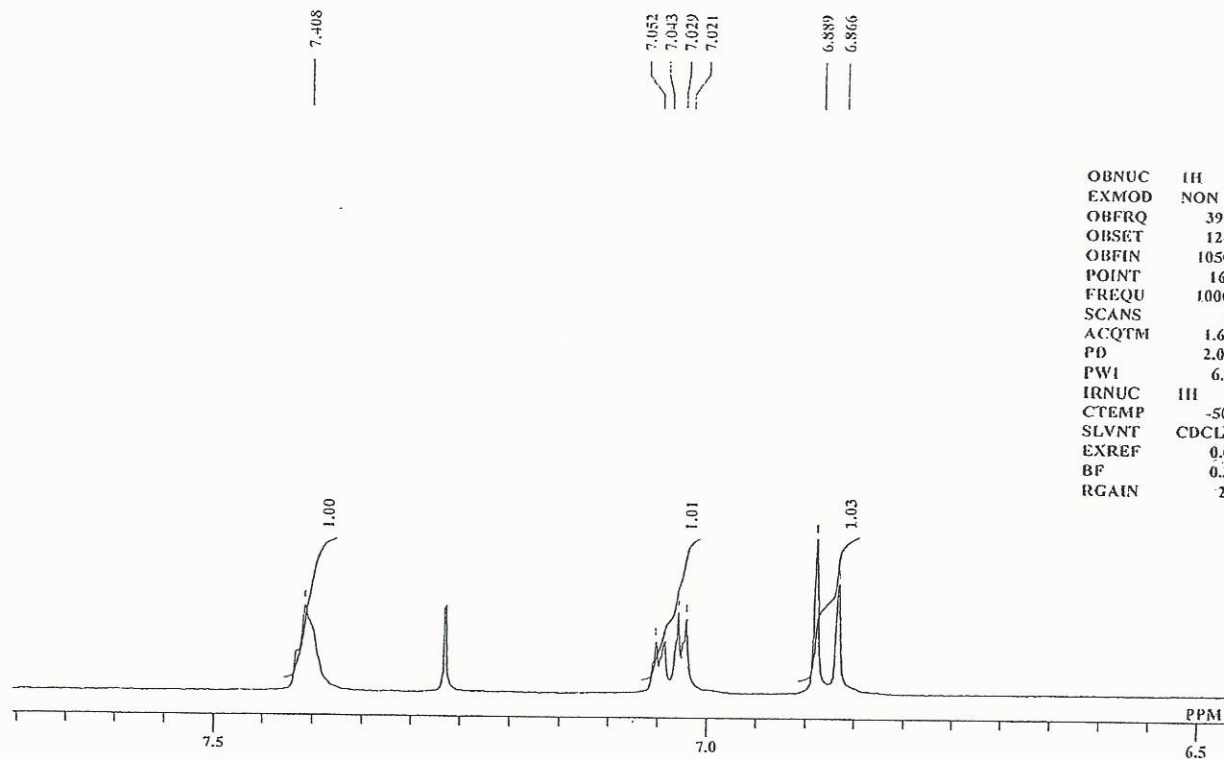
Product Name: 5'-Hydroxy-2'-methoxyacetophenone

Lot No.: 1508665



¹H NMR CDCl₃

Analysed By: BRJ



OBNUC	1H
EXMOD	NON
OBFRQ	399.65 MHz
OBSET	124.00 KHz
OBFIN	10500.00 Hz
POINT	16384
FREQU	10000.00 Hz
SCANS	16
ACQTM	1.6384 sec
PD	2.0000 sec
PWI	6.00 usec
IRNUC	1H
CTEMP	-50.2 °C
SLVNT	CDCl ₃
EXREF	0.00 ppm
BF	0.30 Hz
RGAIN	24