

ICC **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: 19-636

Product Name: **2'-HYDROXY-2-PHENYLACETOPHENONE**

Cas Number: [2491-31-8]

Lot Number: 1508664

Chemical Formula: C₁₄H₁₂O₂

Molecular Weight: 212.24

Melting Point: 54-56°C

Moisture(KF): 0.24%

Appearance: Off white crystalline powder

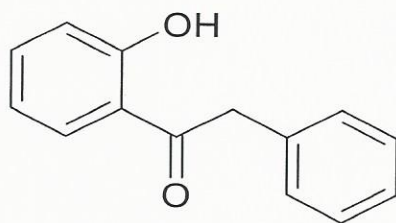
Solubility: Soluble in chloroform

TLC: Hexane:Ethyl acetate (9:1)

NMR Spectrum: Enclosed(conforms to the structure)

Storage: Store in a cool, dry place

Purity (HPLC): 99.38%





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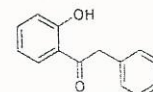
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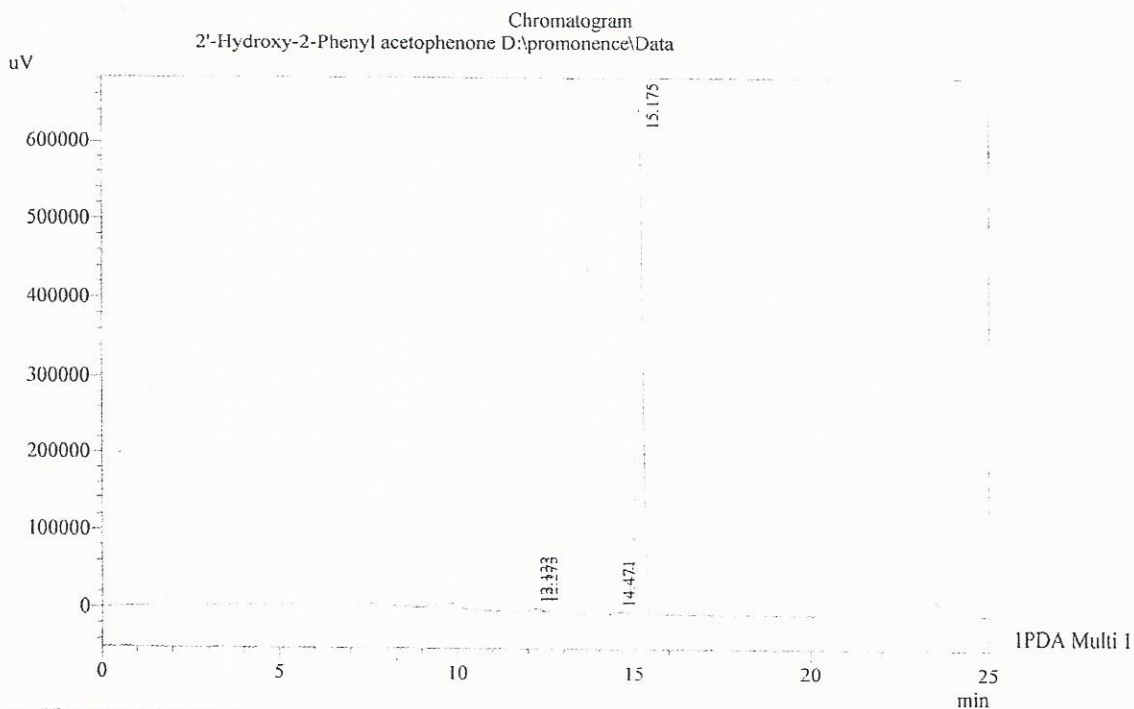
HPLC ANALYSIS

Acquired by : Admin
Sample Name : 2'-Hydroxy-2-Phenyl acetophenone
Sample ID : 250 gm Lot
Injection Volume : 20 uL
Data Filename : 040815D..lcd
Method Filename : Linear Gradient.M.lcm

Catalog No.: 19-636
Product Name: 2'-Hydroxy-2-phenylacetophenone
Lot No.: 1508664



Column : Inertsil-ODS-3V, (150mm x4.6mm 5.0μ)
Flow : 1.000 mL/min.
Mobile Phase : A(0.05% TFA in Water) B(Acetonitrile)
0.01 90 10
1.0 90 10
8.0 30 70
16.0 30 70
18.0 10 90
20.0 10 90
22.0 90 10
25.0 90 10
Diluent : ACN



1 PDA Multi 1 / 230nm 4nm

PeakTable

PDA Ch1 230nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:12.132	12.132	16393	0.19	0.84
2	RT:12.273	12.273	16174	0.19	0.85
3	RT:14.471	14.471	21476	0.25	1.00
4	2'-OH-2-Ph acetophenone	15.175	8650809	99.38	1.05
Total			8704853	100.00	



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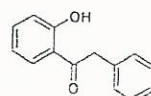
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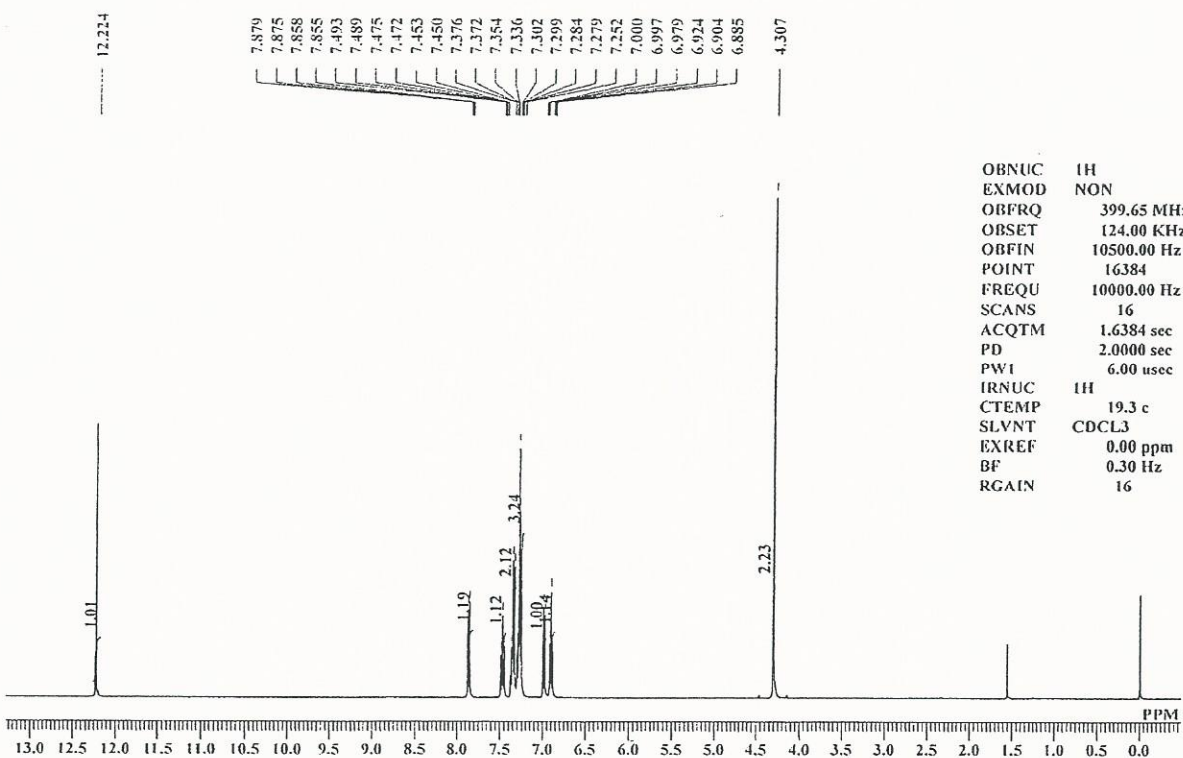
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¹H NMR CDCl₃
Analysed By: BRJ



ICG **INDOFINE Chemical Company, Inc.**

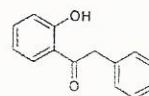
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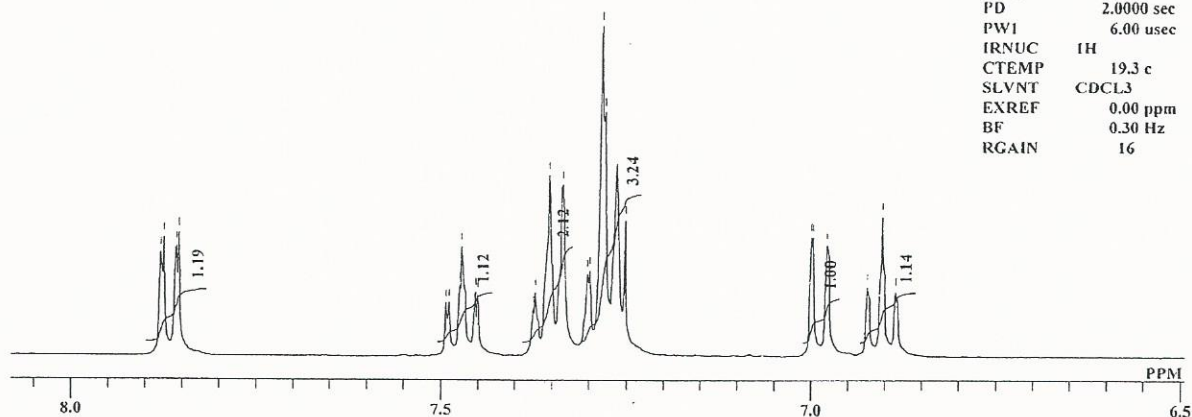
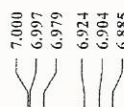
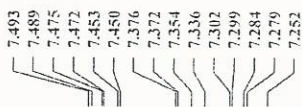
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¹H NMR CDCl₃

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	19.3 c
SLVNT	CDCl ₃
EXREF	0.00 ppm
BF	0.30 Hz
RGAIN	16