



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-011

Product Name: **2'-HYDROXY-1'-ACETONAPHTHONE**

CAS Number: [574-19-6]

Lot Number: 1403441

Chemical Formula: C₁₂H₁₀O₂

Molecular Weight: 186.21

Melting Point: 62-64°C

Appearance: Pale yellow crystalline powder

Solubility: Soluble in chloroform

TLC: Hexane:Ethyl acetate (9:1)

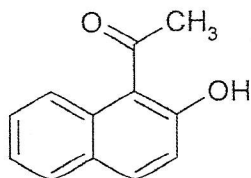
Moisture (K.F.): 0.15%

Storage: Store in a cool, dry place

NMR Spectrum: Enclosed (Conforms to the structure)

Purity(HPLC): 99.31%

Purity(GC): 99.23%





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

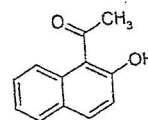
website: www.indofinechemical.com

e-mail: chemical@indofinechemical.com

HPLC ANALYSIS

Acquired by : Sanjeev
 Sample Name : 2'-Hydroxy-1'-acetonaphthone
 Sample ID : 20 Kg Lot
 Injection Volume : 20 uL
 Data Filename : 100314ZG.lcd
 Method Filename : Linear Isocratic.M.lcm

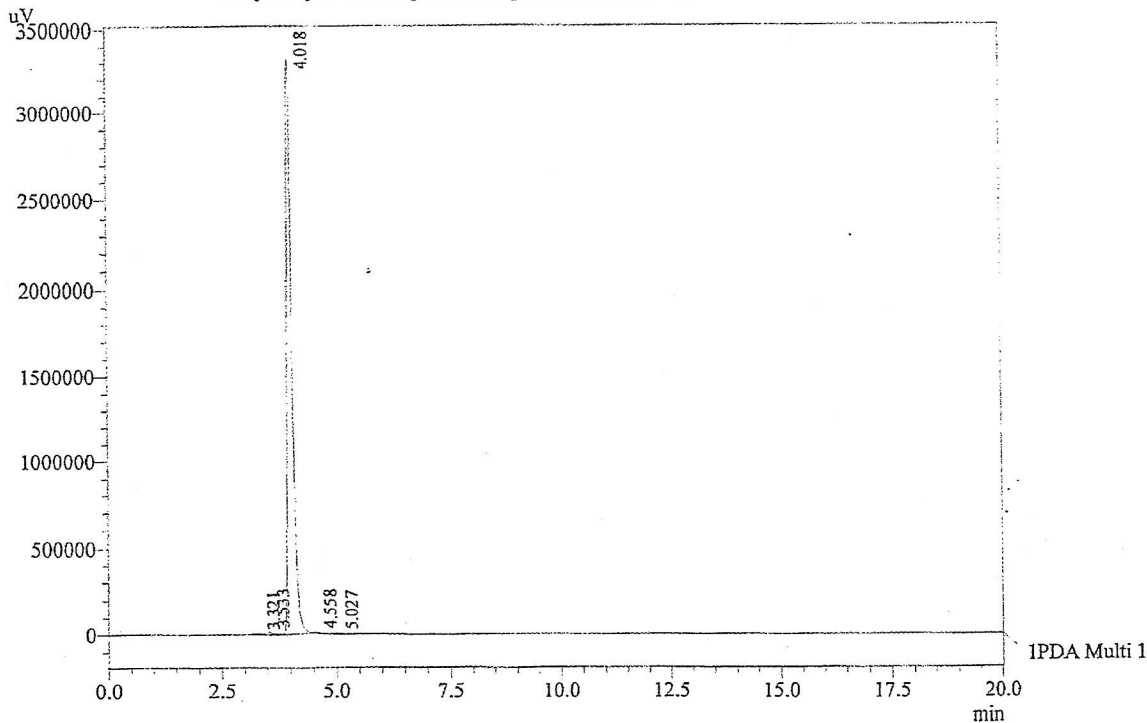
Catalog No.: H-011
 Product Name: 2'-Hydroxy-1'-acetonaphthone
 Lot No.: 1403441



Column : LUNA C-18(2), (250mm x4.6mm 5.0μ)
 Flow : 1.000 mL/min.
 Mobile Phase : A(20% of Water) B(80% of Acetonitrile)
 Diluent : Acetonitrile

Chromatogram

2'-Hydroxy-1'-acetonaphthone D:\promonence\Data\2014\MAR-2014\100314ZG.lcd



1 PDA Multi 1 / 254nm 4nm

PeakTable

PDA Ch1 254nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:3.321	3.321	22083	0.09	0.83
2	RT:3.533	3.533	113302	0.46	0.88
3	2'-Hydroxy-1'-acetonaphthone	4.018	24655453	99.31	1.00
4	RT:4.558	4.558	30942	0.12	1.13
5	RT:5.027	5.027	5527	0.02	1.25
Total			24827307	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

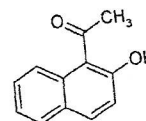
website: www.indofinechemical.com

e-mail: chemical@indofinechemical.com

GC ANALYSIS

User Name : Sanjeev
 Sample Name : 2'-Hydroxy-1'-acetonaphthone
 Sample ID : 20Kg Lot
 Injection Volume : 1 ul
 Method Name : D:\Methods\BRC Method-II.gcm
 Data File Name : D:\GC Data\2014\MAR-2014\100314046.gcd

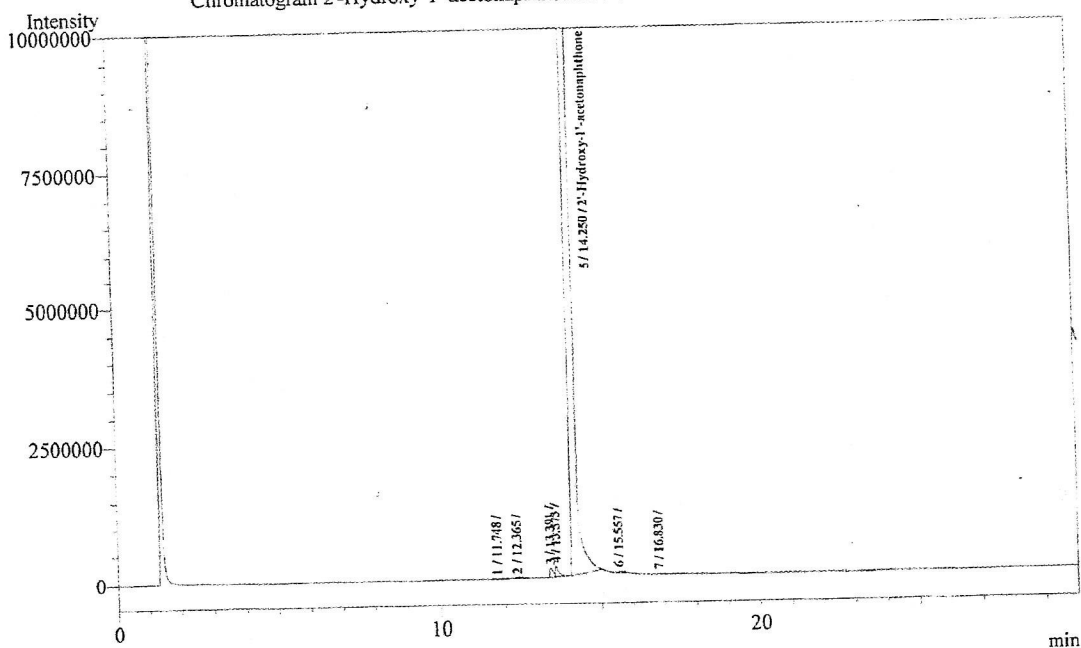
Catalog No.: H-011
 Product Name: 2'-Hydroxy-1'-acetonaphthone
 Lot No.: 1403441



Description

Column : ZB-5 - (30M x 0.32mm x 1.0 um)
 Injector temp - 250°C
 Detector temp - 300°C
 Column temp - 60°C hold 5min 20°C/min to 280°C hold 14 min

Chromatogram 2'-Hydroxy-1'-acetonaphthone D:\GC Data\2014\MAR-2014\100314046.gcd

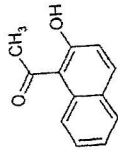


Peak Table - Channel 1

Peak#	Ret.Time	Area	Height	Area%	Name
1	11.748	75825	4058	0.02	
2	12.365	230184	13862	0.06	
3	13.391	1103344	147597	0.30	
4	13.573	1084117	168592	0.29	
5	14.250	364888153	48496913	99.23	2'-Hydroxy-1'-acetonaphthone
6	15.557	233187	24511	0.06	
7	16.830	100068	7504	0.03	
Total		367714878	48863037	100.00	



INDOFINE Chemical Company, Inc.
 121 STRYKER LANE
 BLDG. 30, SUITE 1
 HILLSBOROUGH, NJ 08844

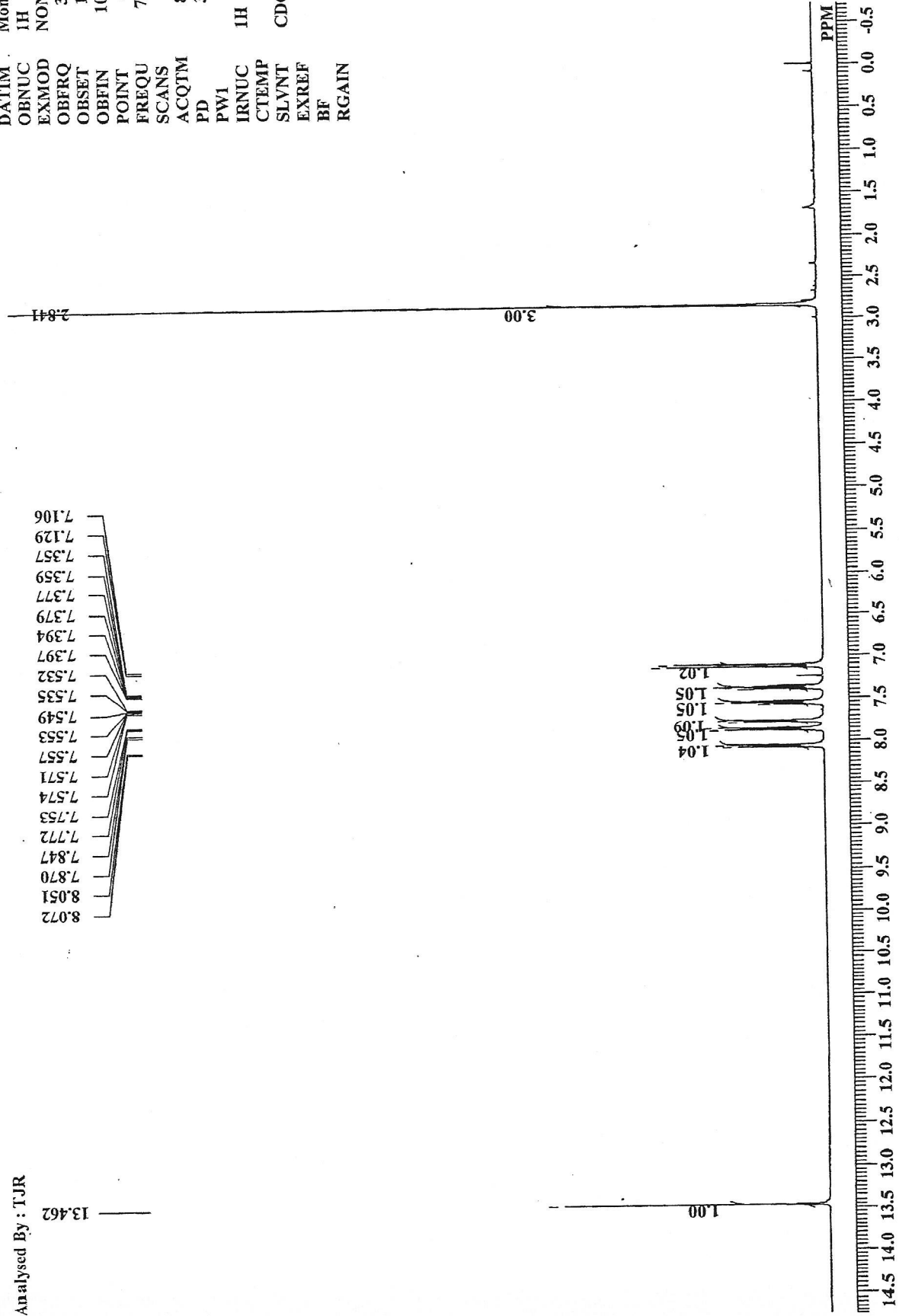
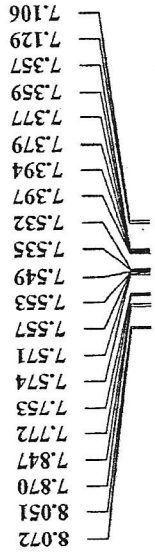


Catalog No.: H-011
 Product Name: 2'-Hydroxy-1'-acetonaphthone
 Lot No.: 1403441

2-OH-1AC NAP #20Kg Lot 1H NMR CDC13

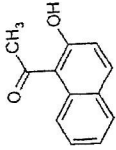
Analysed By : TJR

DFILE 2-OH-1AC NAP #21
 COMNT 2-OH-1AC NAP #21
 DATIM Mon Mar 10 21:28:
 OBNUC 1H
 EXMOD NON
 OBFRQ 399.65 MHz
 OBSET 124.00 KHz
 OBFIN 10500.00 Hz
 POINT 65536
 FREQU 7992.01 Hz
 SCANS 16
 ACQTM 8.2002 sec
 PD 3.0000 sec
 PW1 5.80 usec
 IRNUC 1H
 CTEMP 21.3 c
 SLVNT CDCL3
 EXREF 0.00 ppm
 BF 0.30 Hz
 RGAIN 13





INDOFINE Chemical Company, Inc.
121 STRYKER LANE
BLDG. 30, SUITE 1
HILLSBOROUGH, NJ 08844



Catalog No.: H-011
Product Name: 2'-Hydroxy-1'-acetoneaphthone
Lot No.: 1403441

2-OH-1AC NAP #20Kg Lot 1H NMR CDCl3

Analysed By : TJR

DFILE 2-OH-1AC NAP #21
COMNT 2-OH-1AC NAP #21
DATIM Mon Mar 10 21:28:
OBNUC 1H
EXMOD NON
OBFRQ 399.65 MHz
OBSET 124.00 KHz
OBFIN 10500.00 Hz
POINT 65536
FREQU 7992.01 Hz
SCANS 16
ACQTM 8.2002 sec
PD 3.0000 sec
PW1 5.80 usec
IRNUC 1H
CTEMP 21.3 c
SLVNT CDCl3
EXREF 0.00 ppm
BF 0.30 Hz
RGAIN 13

