



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

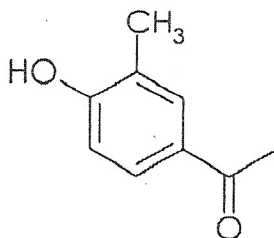
website: www.indofinechemical.com

e-mail: chemical@indofinechemical.com

CERTIFICATE OF ANALYSIS

Cat No.: H-036

<u>Product:</u>	4'-HYDROXY-3'-METHYLACETOPHENONE
<u>Cas Number:</u>	[876-02-8]
<u>Lot Number:</u>	1101110
<u>Chemical Formula:</u>	C ₉ H ₁₀ O ₂
<u>Molecular Weight:</u>	150.18
<u>Melting Point:</u>	108-110°C
<u>Appearance:</u>	White crystalline powder
<u>TLC:</u>	Benzene:Ethyl acetate (9:1)
<u>Solubility:</u>	Soluble in Methanol
<u>Moisture(KF):</u>	0.20%
<u>Purity:</u>	99.86%





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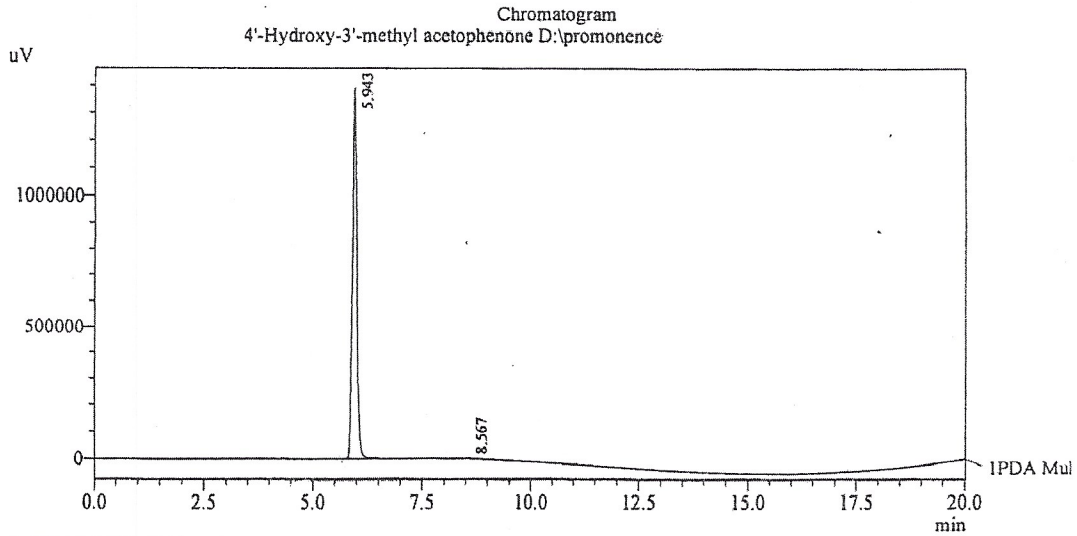
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HPLC ANALYSIS

Acquired by : Madhuri
Sample Name : 4'-Hydroxy-3'-methyl acetophenone
Sample ID : 6.0 Kg
Injection Volume : 20 uL
Data Filename : 090211B.lcd
Method Filename : Linear Isocratic.M.lcm

Cat. No.: H-036
Product name: 4'-Hydroxy-3'-methylacetophenone
Lot No.: 1101110

Description:
Column : Phenomenex C-18, 250X4.6mm 5.0µm
Flow : 0.500ML/min.
Mobile Phase : A(20% of 0.05% TFA) B(80% of ACN)



1 PDA Multi 1 / 254nm 4nm

PeakTable

PDA Ch1 254nm 4nm

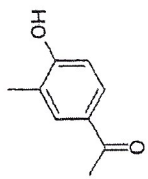
Peak#	Ret. Time	Area	Height	Area %
1	5.943	9813231	1388062	99.866
2	8.567	13122	1491	0.134
Total		9826353	1389553	100.000



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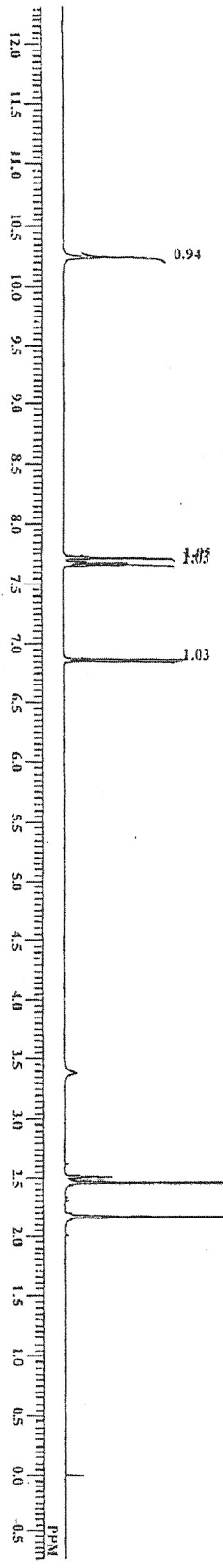
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Cat No.: H-036
 Product name: 4'-Hydroxy-3'-methylacetophenone
 Lot No.: 1101110
 4'-JIMA 1H NMR DMSO-D6



4'-Hydroxy-3'-methyl
acetophenone

DP FILE 4'-JIMA.als
 CONDT 4'-J-1JMA 1H NMR DM
 OBRUC 1H
 EXMOD 1H
 OBRFQ 399.65 MHz
 OUBET 124.00 kHz
 OUBTN 10500.00 Hz
 POINT 65536
 FREQOU 7992.01 Hz
 SCANS 16
 ACQTM 8.2002 sec
 PD 3.0000 sec
 PVI 5.60 usec
 IRRUC 1H
 CTEMP 24.5 c
 SI VNT DMSO
 EXREF 4.00 ppm
 HF 0.50 Hz
 RCALN 15





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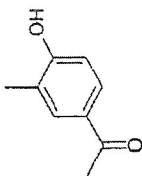
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4'-3'-HMVA 1H NMR DMSO-D6

Cat. No.: H-036

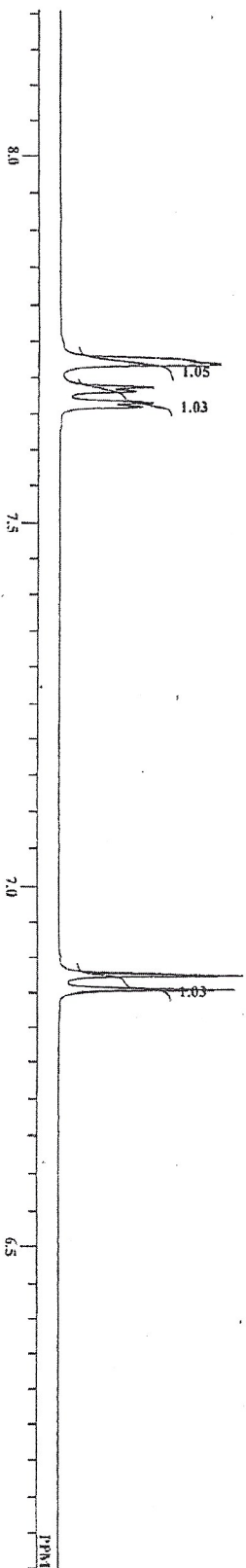
Product name: 4'-Hydroxy-3'-methylacetophenone

Lot No.: 1101110



4'-Hydroxy-3'-methyl
acetophenone

DPFILE	4'-3'-HMVA.s
CONFT	4'-3'-HMVA 1H NMR DM
ORNUC	1H
EXMOD	NON
ORPRO	399.65 MHz
ORSET	124.00 KHz
ORBIN	10580.00 Hz
POINT	65536
PREQU	7992.01 Hz
SCANS	16
ACQTM	8.2002 sec
PD	3.0000 sec
PV1	5.60 usec
IRNUC	1H
CTEMP	24.5 c
S1VNT	DMSO
EXREF	0.00 ppm
BF	0.50 Hz
RGAIN	15





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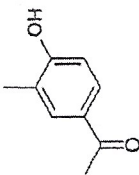
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4,3'-HMVA 1H NMR DMSO-D6

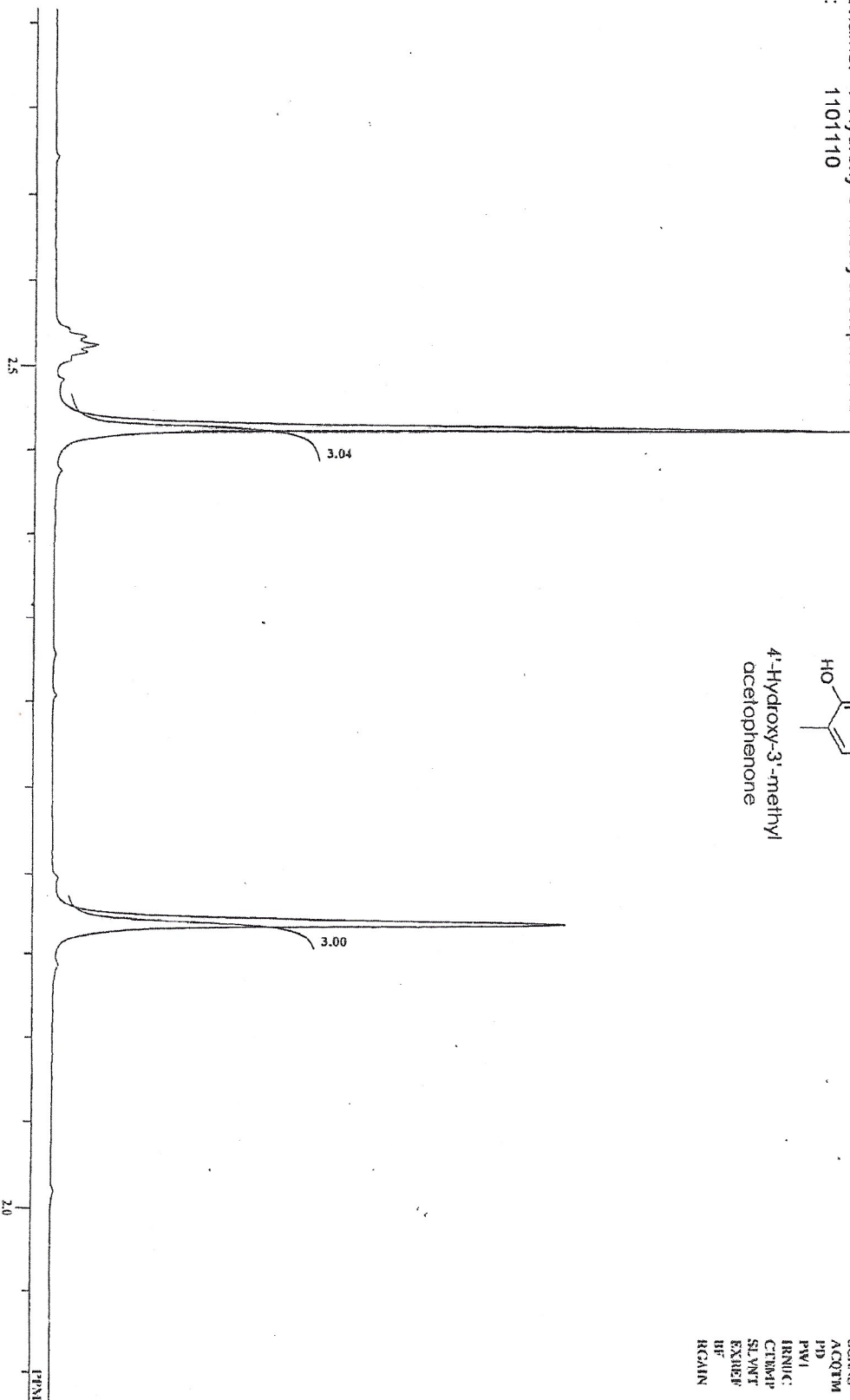
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Product name: 4'-Hydroxy-3'-methylacetophenone

Lot No.: 1101110



4'-Hydroxy-3'-methyl
acetophenone



DFILE	4,3'-HMVA.ac
COMPT	4,3'-HMVA 1H NMR D6
ORNUC	1H
EXNOB	NON
ORHRQ	399.65 MHz
ORHET	124.00 kHz
ORHRN	10500.00 Hz
POINT	65536
FREQ0	7997.01 Hz
SCANS	16
ACQTM	8.2002 sec
PD	3.0000 sec
PVI	5.60 msec
IRNUC	1H
CTMRP	24.5°
SLVNT	DMSO
EXNERF	0.00 ppm
HF	0.50 Hz
RCGAIN	15