



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: 18-501

Product Name: **2',4'-DIHYDROXYPROPIOPHENONE**

CAS Number: [5792-36-9]

Lot Number: D28/2

Chemical Formula: C₉H₁₀O₃

Molecular Weight: 166.18

Melting Point: 100-102°C

Appearance: Pale brown powder

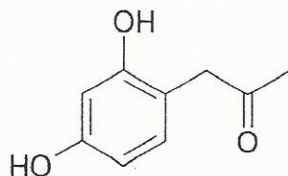
Solubility: Soluble in DMSO

TLC: n-Hexane:Ethyl acetate (7:3)

NMR Spectrum: Enclosed (conforms to the structure)

Storage: Store in a cool, dry place

Purity(HPLC): 99.56%





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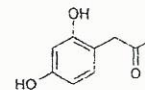
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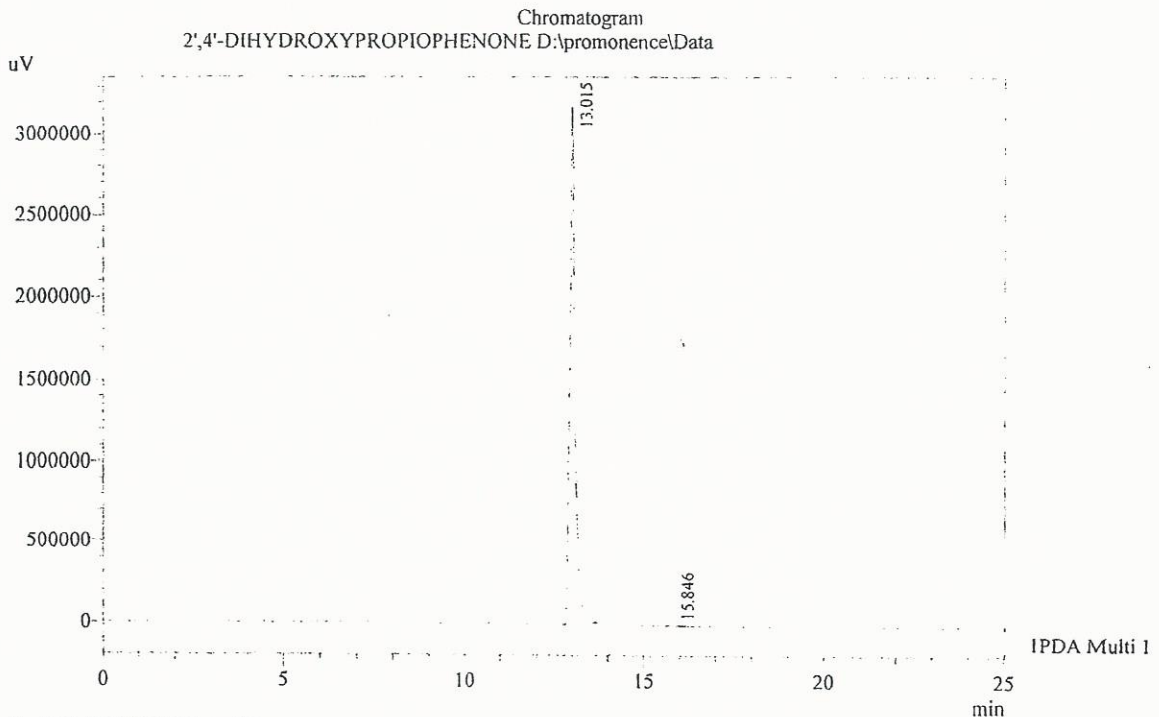
HPLC ANALYSIS

Acquired by : Admin
 Sample Name : 2',4'-DIHYDROXYPROPIOPHENONE
 Sample ID : Lot No:D28/2
 Injection Volume : 20 uL
 Data Filename : 281015B.lcd
 Method Filename : Linear Gradient.M.lcm

Catalog No.: 18-501
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 Lot No.: D28/2



Column : Gemini C-18(2), (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

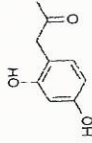


1 PDA Multi 1 / 230nm 4nm

PDA Ch1 230nm 4nm		PeakTable			
Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	2',4'-Dihydroxypropiophenone	13.015	30700052	99.56	1.00
2	RT:15.846	15.846	136873	0.44	1.22
Total			30836925	100.00	

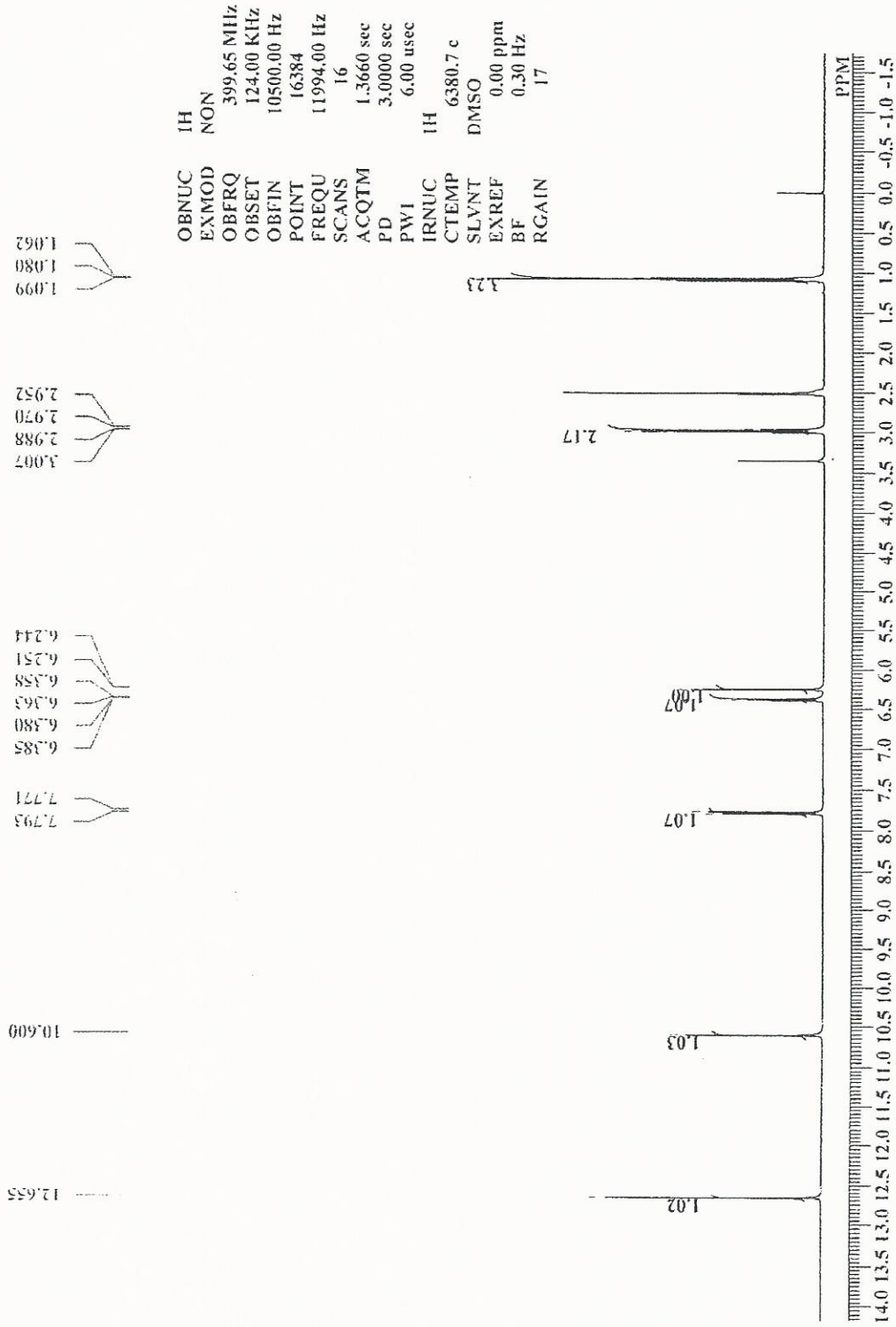


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Lot No.: D28/2

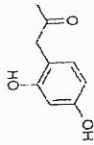
¹H NMR DMSO-d₆
Analysed By: SPM





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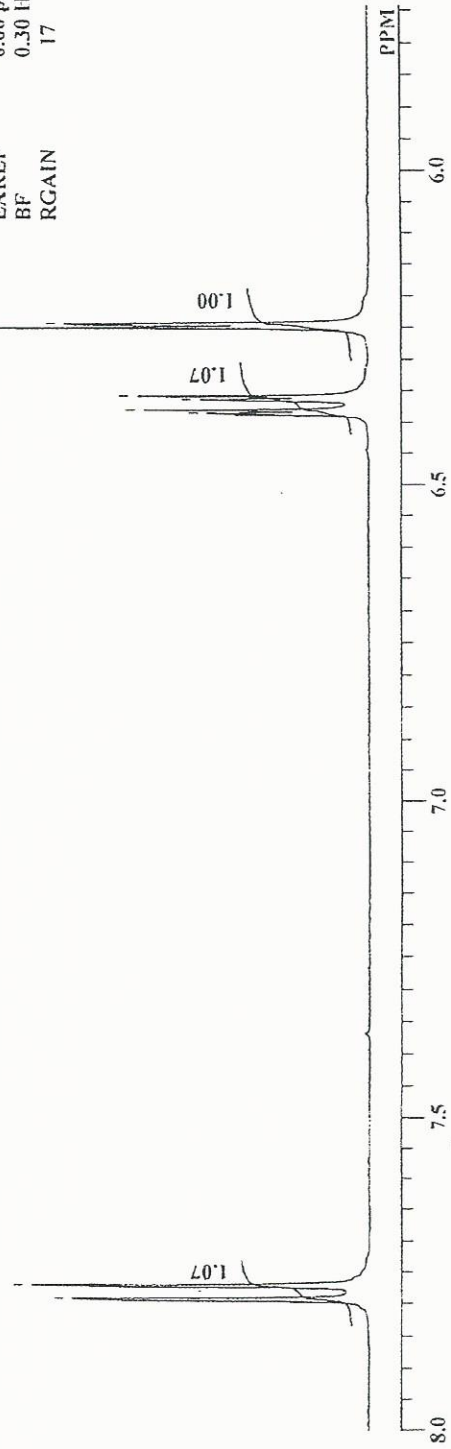
¹H NMR DMSO-d6

Analysed By : SPM

7.793
7.771

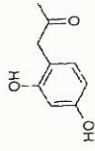
6.385
6.380
6.363
6.358
6.251
6.244

OBNUC 1H
EXMOD NON
OBFRQ 399.65 MHz
OBSET 124.00 KHz
OBFIN 10500.00 Hz
POINT 16384
FREQU 11994.00 Hz
SCANS 16
ACQTM 1.3660 sec
PD 3.0000 sec
PWI 6.00 usec
IRNUC 1H
CTEMP 6380.7 c
SLVNT DMSO
EXREF 0.00 ppm
BF 0.30 Hz
RGAIN 17





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