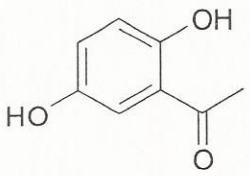
INDOFINE Chemical Company, Inc.
121 Stryker Lane, Bldg. 30
Hillsborough, NJ 08844 USA
Phone: (908) 359-6778; Fax: (908) 359-1179

Certificate Of Analysis

D-003 2',5'-DIHYDROXYACETOPHENONE Lot No.: 1808111

S. No	Test	Specification	Observation
1.	CAS No:	[490-78-8]	-
2.	Molecular Formula	$C_8H_8O_3$	$C_8H_8O_3$
3.	Molecular Weight	152.15	152.15
4.	Description	Yellow, yellow-green or green gray crystalline powder	yellow-green crystalline powder
5.	Identification by NMR	Should confirm with the structure	Complies
6.	Melting Range	202-210^{0}C	202-204^{0}C
7.	UV-VIS spectrum (1% MeOH, 500 nm)	≥ 50%T	Complies
8.	Purity by HPLC	NLT -98%	99.30%
9.	Sulphated ASH	NMT 1.0%	0.14%
10.	Chloride	≤ 0.1%	Absent
11.	TLC	Chloroform : Methanol (9:1)	Chloroform : Methanol (9:1)
12.	Solubility	Clear solution in DMSO	Complies



Prepared by:
Ramesh Mandadi
Ramesh Mandadi
Director of Operations

Reviewed and Approved by:
Sujata Moton
Sujata Moton
VP

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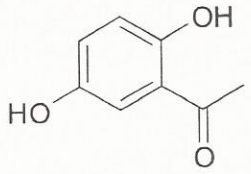
HPLC ANALYSIS

Catalog No.: D-003
Product Name: 2',5'-Dihydroxyacetophenone
Lot No.: 1808111



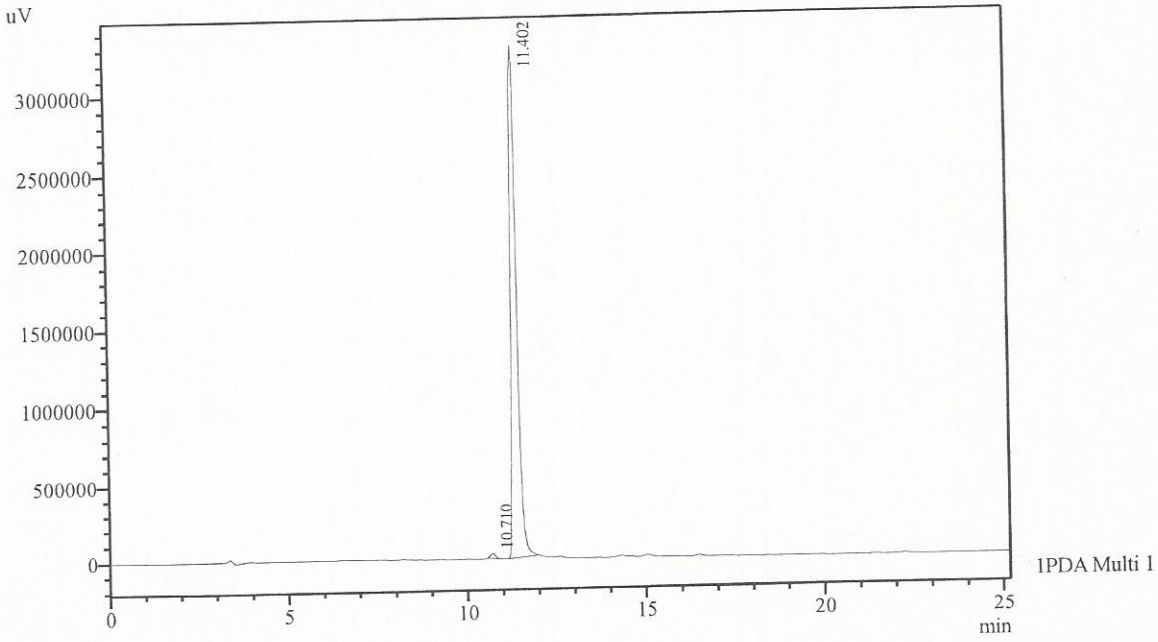
Acquired by	: Admin
Sample Name	: 2',5'-Dihydroxyacetophenone
Sample ID	: 80 Kg- LOT
Injection Volume	: 20 uL
Data Filename	: 280718F.lcd
Method Filename	: Linear Gradient.M.lcm

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

Chromatogram
2',5'-Dihydroxyacetophenone E:\promonence\Data



1 PDA Multi 1 / 230nm 4nm

PeakTable

PDA Ch1 230nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1		10.710	271035	0.70	0.94
2	2',5'-DiOH ACP	11.402	38580238	99.30	1.00
Total			38851273	100.00	

Prepared by:
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Director of Operations

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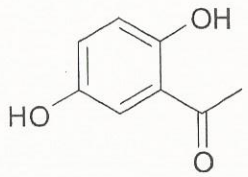

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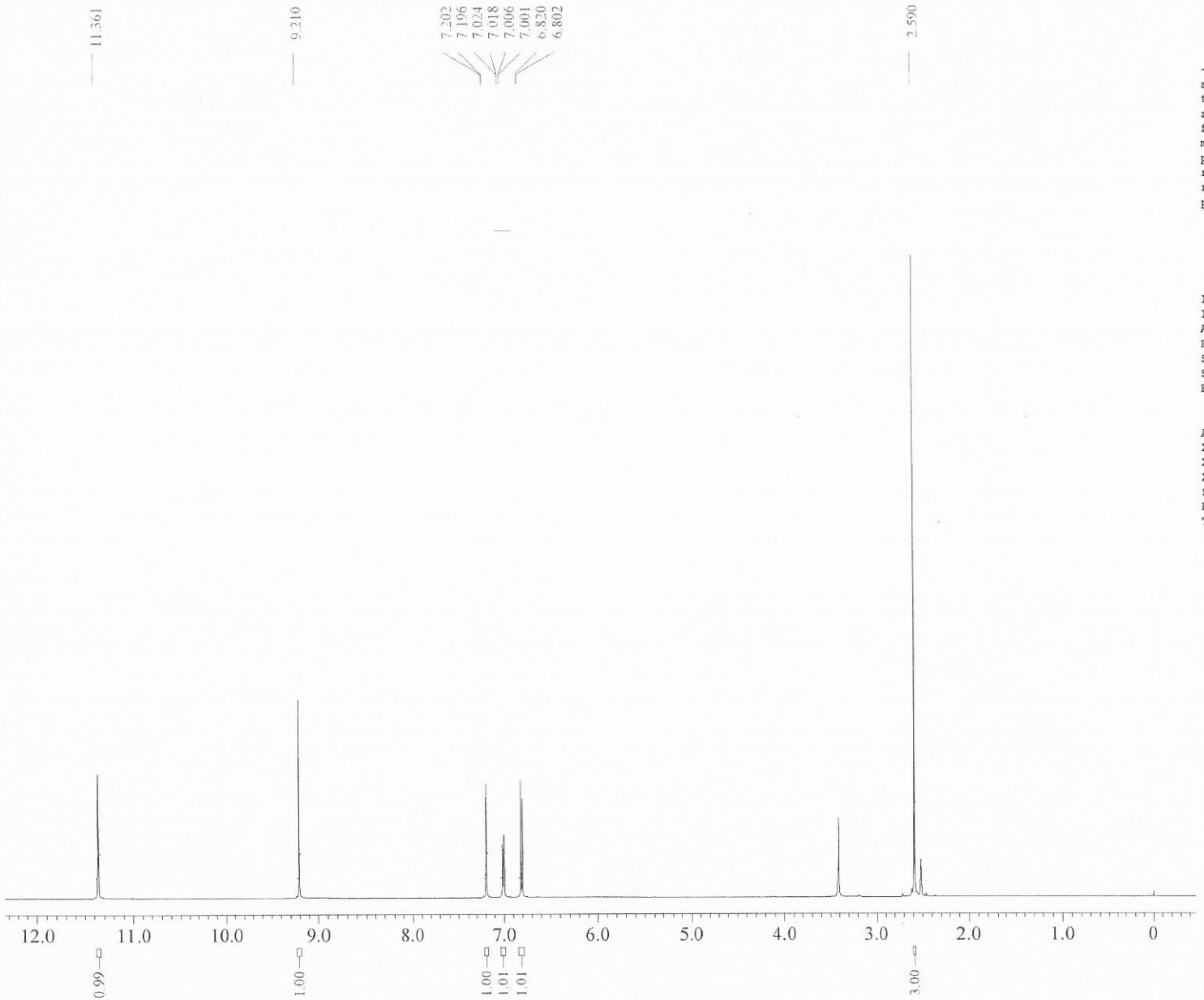


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---- PROCESSING PARAMETERS ----
sexp( 0.2[Hz], 0.0[s] )
trapezoid( 0[%], 0[%], 80[%], 100[%] )
zerofill( 1 )
fft( 1, TRUE, TRUE )
machinephase
ppm
reference( -0.05149[ppm], 2.49[ppm] )
reference( 2.49[ppm], 0[ppm] )
phase( 2.41989, 0, 88.96689[%] )
```

```
Instrument       - NMR-500MHz(JEOL)
Instrument id    - NMR-02
Author           = Kishore1378
Reviewed by      - Purushotham
Solvent          = DMSO-D6
Spectrometer     = JNM-ECZ500R/S1
Experiment       = proton.jxp
```

```
Acquisition Parameter
X_Domain         = 1H
X_Offset         = 7.0[ppm]
X_Sweep          = 11.28158845[kHz]
Scans            = 16
Relaxation_Delay = 2[s]
Temp_Get         = 22.8[dC]
```

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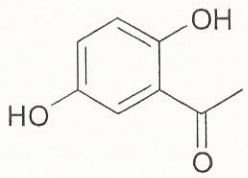

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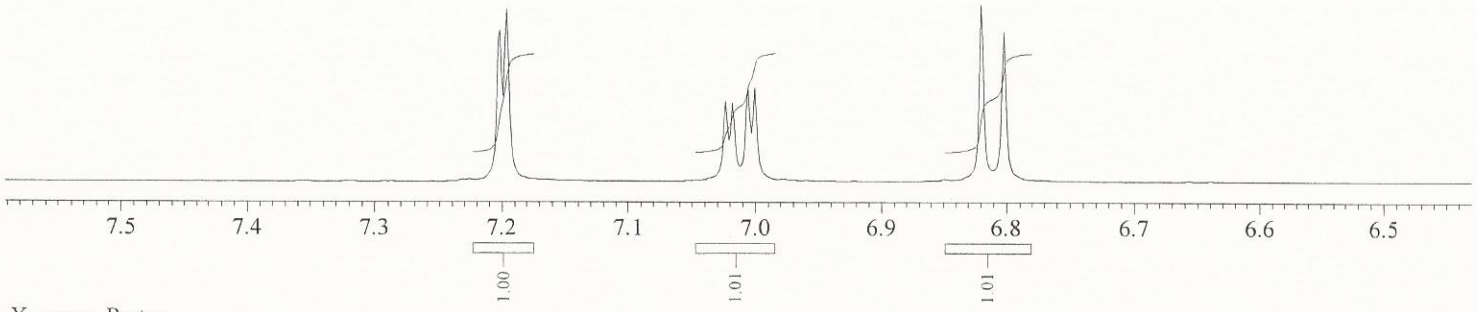

X : ppm : Proton