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
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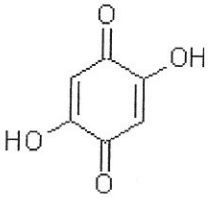
CERTIFICATE OF ANALYSIS

Catalog Number:	D-007
Product Name:	2,5-DIHYDROXY-1,4-BENZOQUINONE
CAS Number:	[615-94-1]
Lot Number:	1811169
Chemical Formula:	$C_6H_4O_4$
Molecular Weight:	140.10
Appearance:	Dark yellow crystalline powder
Melting Point:	218-220°C
Solubility:	Soluble in acetone and ethanol
TLC:	Chloroform:Methanol (8:2)
Storage:	Store in a cool, dry place
Purity(HPLC):	99.56%



Prepared by:
Ramesh Mandadi
Ramesh Mandadi
Director of Operations

Reviewed and approved by:
Sujata Moton
S. Moton
VP

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HPLC ANALYSIS

Acquired by	: Admin
Sample Name	: 2,5-Dihydroxy-1,4-Benzoquinone
Sample ID	: # 1.0 Kg-LOT
Injection Volume	: 20 uL
Data Filename	: 301118I.lcd
Method Filename	: Isocratic Method-New.lcm
Report Filename	: Default.lcr

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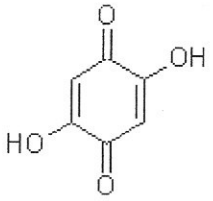
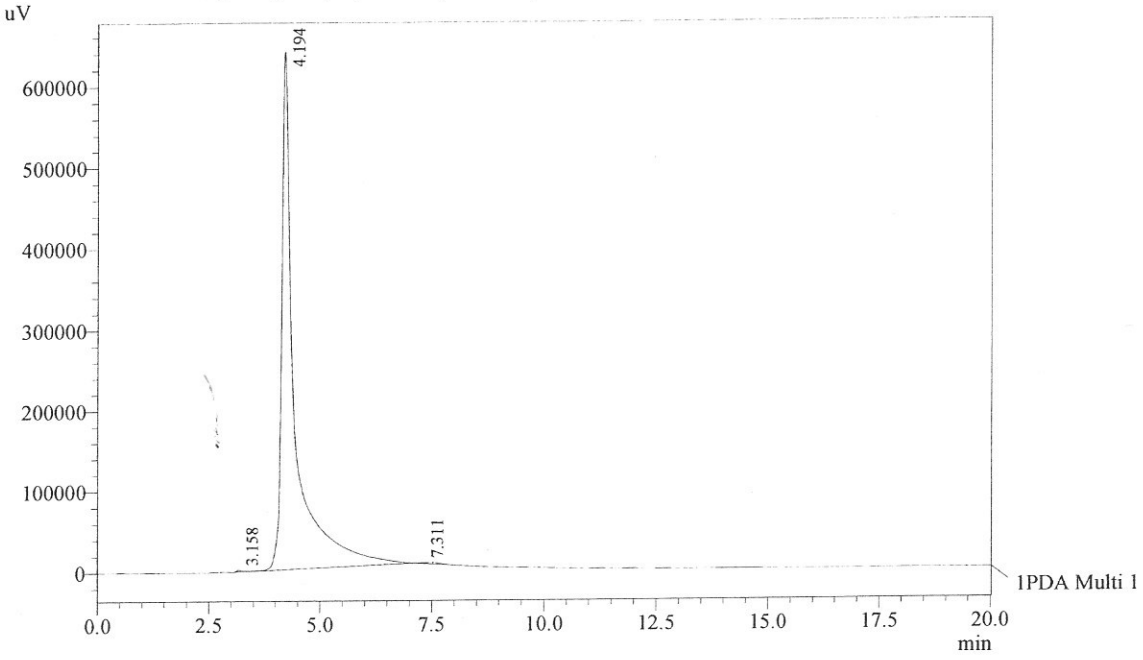


Chromatogram
2,5-Dihydroxy-1,4-Benzoquinone F:\promonence\Data



1 PDA Multi 1 / 220nm 4nm

PeakTable

PDA Ch1 220nm 4nm

Peak#	Name	Ret. Time	Height	Area %	Relative Retention Time
1	RT:3.158	3.158	1880	0.10	0.00
2	RT:4.194	4.194	638587	99.56	0.00
3	RT:7.311	7.311	1171	0.33	0.00
Total			641638	100.00	

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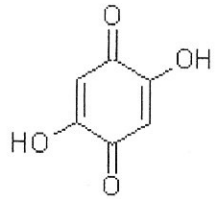

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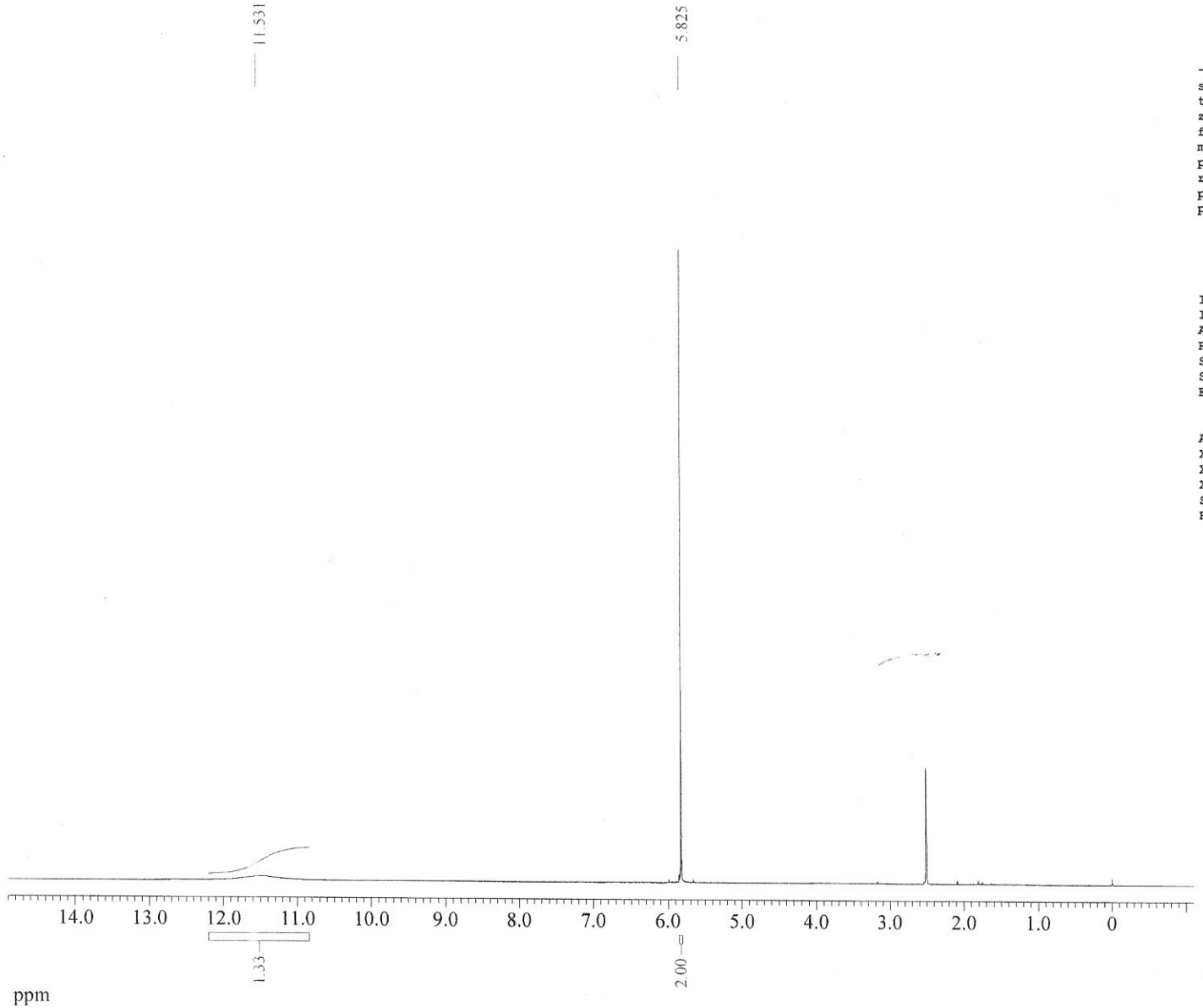


```
---- PROCESSING PARAMETERS ----
sexp( 0.2[Hz], 0.0[s] )
trapezoid( 0[%], 0[%], 80[%], 100[%] )
zerofill( 1 )
fft( 1, TRUE, TRUE )
machinephase
ppm
reference( -0.05012[ppm], 0[ppm] )
phase( 5.01733, 0, 50[%] )
phase( -7.08192, 0, 50[%] )
```

```
Instrument       - NMR-500MHz(JEOL)
Instrument id    - NMR-02
Author           = manil1406
Reviewed by      - Ramesh Yadav
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]
```