



# 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](http://www.indofinechemical.com)

e-mail: [chemical@indofinechemical.com](mailto:chemical@indofinechemical.com)

## CERTIFICATE OF ANALYSIS

Catalog Number: D-007

Product Name: **2,5-DIHYDROXY-1,4-BENZOQUINONE**

CAS Number: [615-94-1]

Lot Number: 0309148

Chemical Formula: C<sub>6</sub>H<sub>4</sub>O<sub>4</sub>

Molecular Weight: 140.10

Melting Point: 213-215°C (dec)

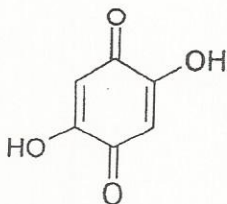
Appearance: Brick red powder

Solubility: Soluble in DMSO

NMR Spectrum: Enclosed (Confirms to the structure)

Storage: Store in a cool dry place

Purity(HPLC): 98.74%





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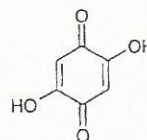
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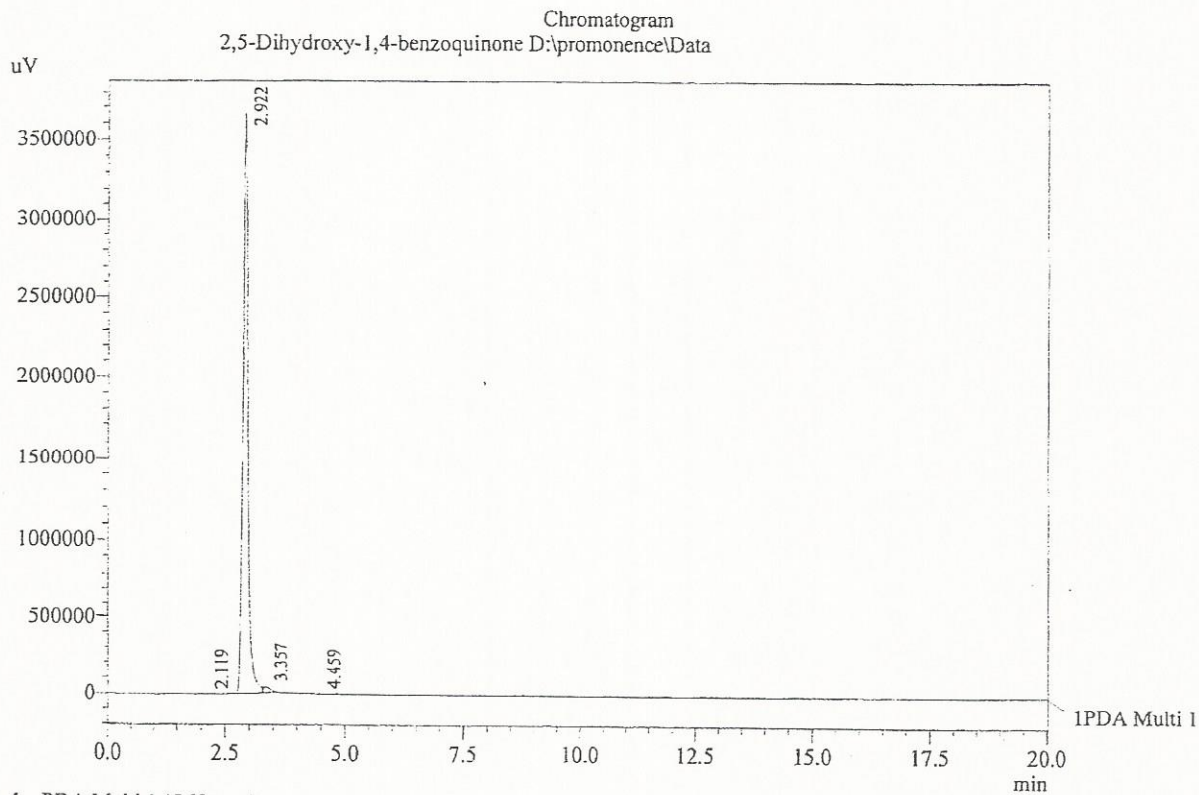
## HPLC ANALYSIS

Acquired by : Sanjeev  
Sample Name : 2,5-Dihydroxy-1,4-benzoquinone  
Sample ID : Lot No: 0309148  
Injection Volume : 20 uL  
Data Filename : 120513B.lcd  
Method Filename : DCTB Method (NPL).lcm

Catalog No.: D-007  
Product name: 2,5-Dihydroxy-1,4-benzoquinone  
Lot No.: 0309148



Column : LUNA C-18(2), (250mm x4.6mm 5.0μ)  
Flow : 1.000 mL/min.  
Mobile Phase : A(40% of 0.05% TFA in water) B(60% of Acetonitrile)



I PDA Multi 1 / 260nm 4nm

PeakTable

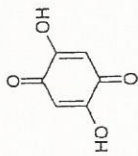
PDA Ch1 260nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:2.119	2.119	21336	0.08	0.73
2	2,5-Di-OH-1,4-benzoquinone	2.922	25600405	98.74	1.00
3	RT:3.357	3.357	301139	1.16	1.15
4	RT:4.459	4.459	3012	0.01	1.53
Total			25925893	100.00	



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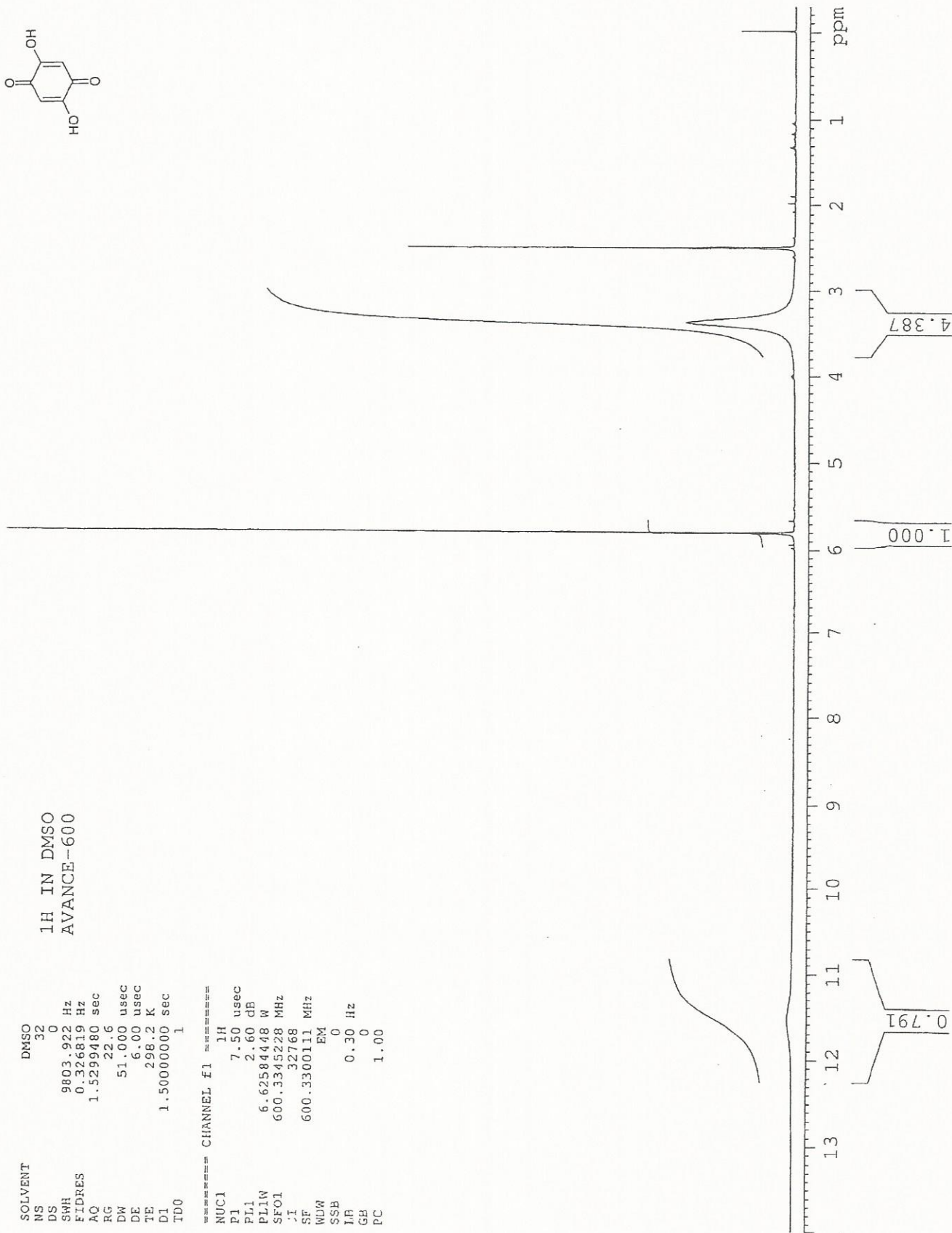
Catalog No.: D-007  
 Product name: 2,5-Dihydroxy-1,4-benzoquinone  
 Lot No.: 0309148



1H IN DMSO  
 AVANCE-600

SOLVENT DMSO  
 NS 32  
 DS 0  
 SWH 9803.922 Hz  
 FIDRES 0.326819 Hz  
 AC 1.5299480 sec  
 RG 22.6  
 DW 51.000 usec  
 DE 6.00 usec  
 TE 298.2 K  
 DI 1.50000000 sec  
 TD0 1

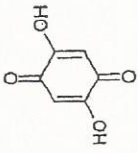
===== CHANNEL #1 =====  
 NUC1 1H  
 P1 7.50 usec  
 PL1 2.60 dB  
 PL1W 6.62584448 W  
 SF01 600.3345228 MHz  
 J1 32768  
 SF 600.3300111 MHz  
 WDW EM  
 SSB 0  
 IIR 0.30 Hz  
 GB 0  
 PC 1.00





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