



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: D-007

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

CAS Number: [615-94-1]

Lot Number: 1607858

Chemical Formula: C₆H₄O₄

Molecular Weight: 140.10

Moisture(KF): 0.47%

Melting Point: 218-220°C

Appearance: Brown powder

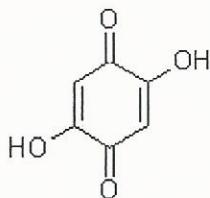
Solubility: Soluble in acetone and ethanol

TLC: Chloroform:Methanol (8:2)

NMR Spectrum: Enclosed (Conforms to the structure)

Storage: Store in a cool dry place

Purity(HPLC): 99.46%





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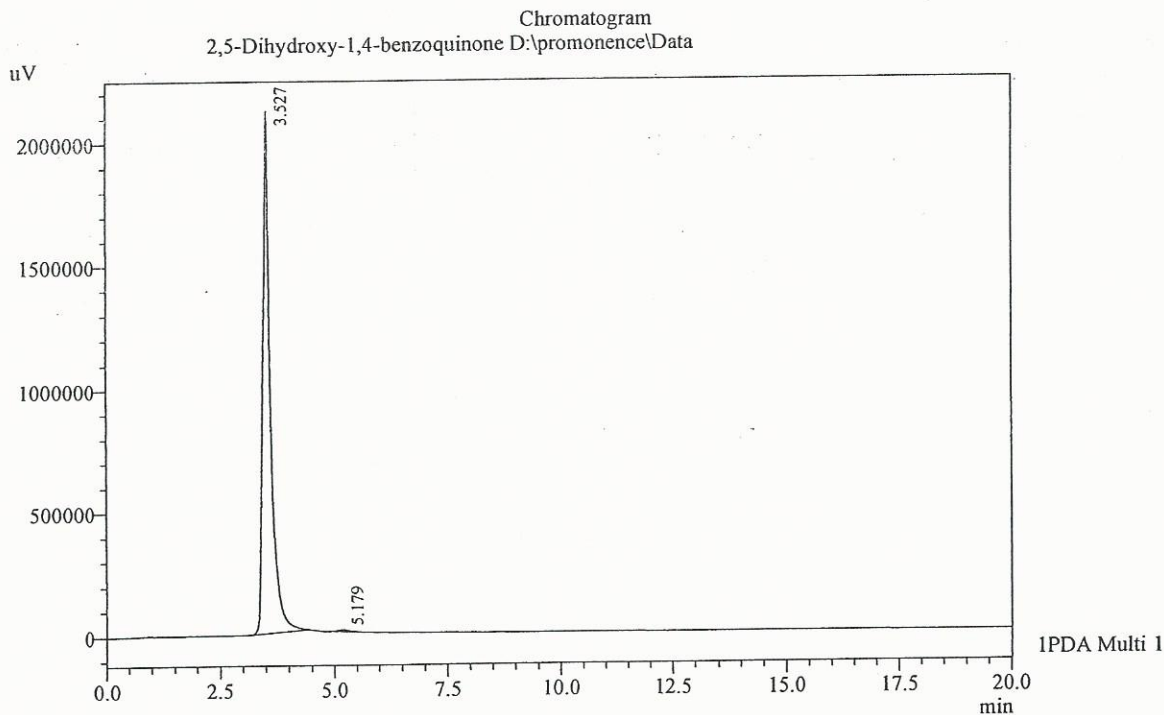
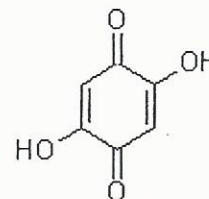
e-mail: chemical@indofinechemical.com

HPLC ANALYSIS

Acquired by : Admin
Sample Name : 2,5-Dihydroxy-1,4-benzoquinone
Sample ID : 5.0 kg
Injection Volume : 20 uL
Data Filename : 080716B.lcd
Method Filename : Linear Isocratic.M.lcm

Catalog No.: D-007
Product Name: 2,5-Dihydroxy-1,4-benzoquinone
Lot No.: 1607858

Column : LUNA C-18(2), (250mm x4.6mm 5.0μ)
Flow : 0.800 mL/min.
Mobile Phase : Phosphate buffer:Methanol:Acetonitrile(20:20:60)
Phosphate Buffer : 0.01M NaH₂PO₄ buffer adjust the pH 3.0 with Ortho phosphoric acid



1 PDA Multi 1 / 210nm 4nm

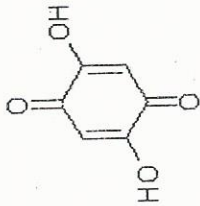
PeakTable

PDA Ch1 210nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:3.527	3.527	23956139	99.46	0.00
2	RT:5.179	5.179	130134	0.54	0.00
Total			24086273	100.00	



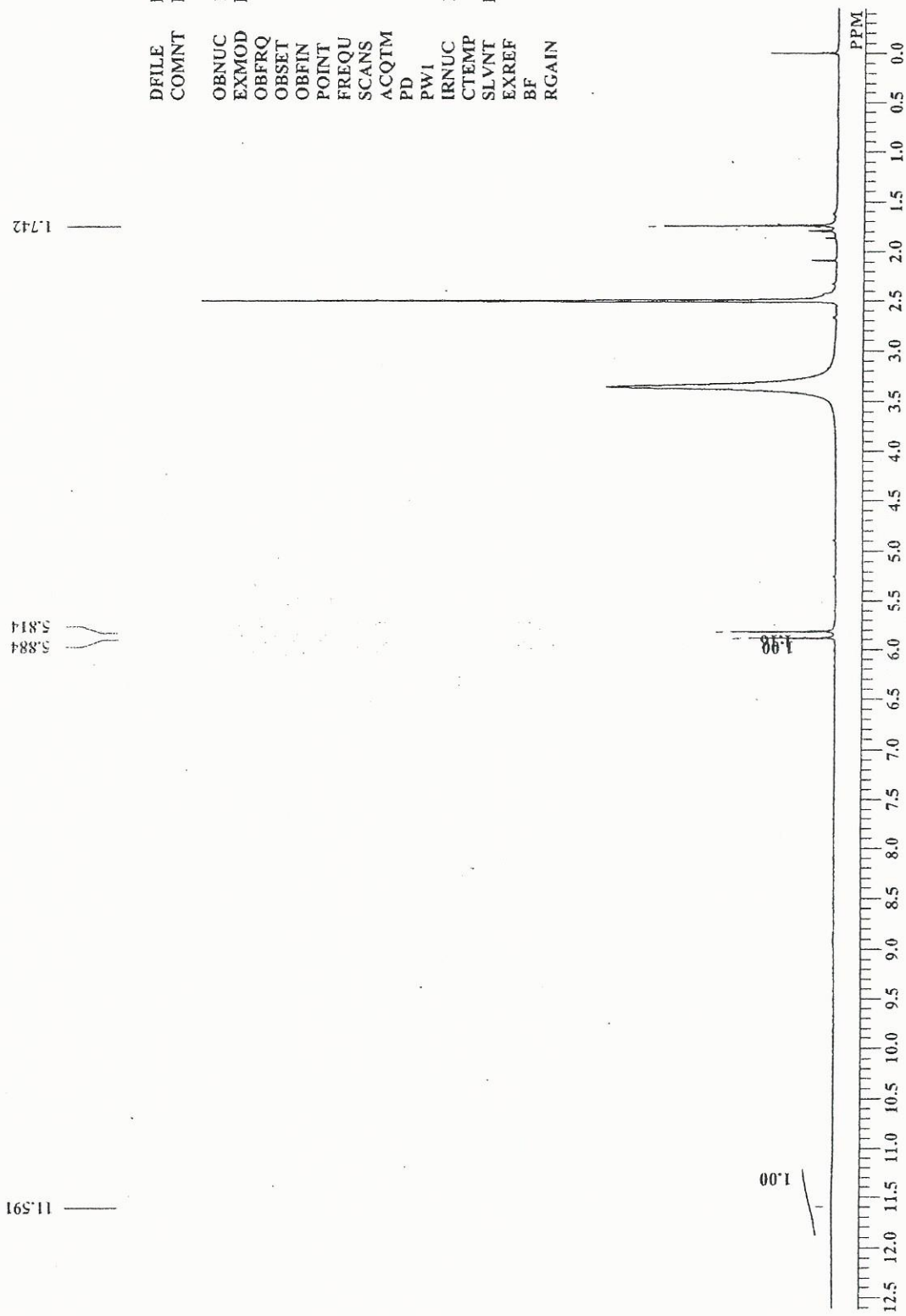
INDOFINE Chemical Company, Inc.
121 STRYKER LANE
BLDG. 30, SUITE 1
HILLSBOROUGH, NJ 08844



Catalog No.: D-007
Product Name: 2,5-Dihydroxy-1,4-benzoquinone
Lot No.: 1607858

DHBQ-5.0Kg wt 1H NMR DMSO-d6

Analyzed By : GRM



DHQB-5.0Kg wt 1H.nls
COMINT DHQB-5.0Kg wt 1H NMR 1

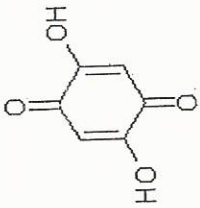
OBNUC 1H
EXMOD NON
OBFRO 399.65 MHz
OBSET 124.00 KHz
OBFIN 10500.00 Hz
POINT 16384
FREQU 10000.00 Hz
SCANS 16
ACQTM 1.6384 sec
PD 2.0000 sec
PWI 7.50 usec
IRNUC 1H
CTEMP 22.9 c
SLVNT DMSO
EXREF 0.00 ppm
BF 0.30 Hz
RGAIN 19



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Lot No.: 1607858



DHBQ-5.0Kg wt 1H NMR DMSO-d6

Analyzed By : GRM

5.884
5.814

DHBO-5.0Kg wt 1H.als
DHBQ-5.0Kg wt 1H NMR DA

DFILE	DHBO-5.0Kg wt 1H.als
COMNT	DHBQ-5.0Kg wt 1H NMR DA
OBNUC	1H
EXMOD	NON
OBFRQ	399.65 MHz
OBSET	124.00 KHz
OBFIN	10500.00 Hz
POINT	16384
FREQU	10000.00 Hz
SCANS	16
ACQTM	1.6384 sec
PD	2.0000 sec
PW1	7.50 usec
IRNUC	1H
CTEMP	22.9 c
SLVNT	DMSO
EXREF	0.00 ppm
BF	0.30 Hz
RGAIN	19

