



# 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:           **22-001**

Product Name:           **2,6-DIMETHOXY-1,4-BENZOQUINONE**

CAS No.:                   [530-55-2]

Lot Number:               98045

Chemical Formula:       C<sub>8</sub>H<sub>8</sub>O<sub>4</sub>

Molecular Weight:       168.15

Melting Point             253-257°C

Appearance:             Yellow powder

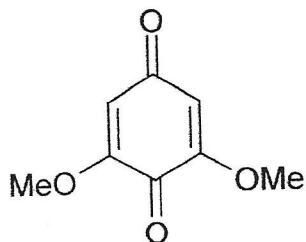
Solubility:               Soluble in Chloroform

TLC:                       Hexane:Ethyl acetate (7:3)

NMR Spectrum:          Enclosed (Confirms to the structure)

Storage:                  Cool dry place

Purity (HPLC):            99.59%





# 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

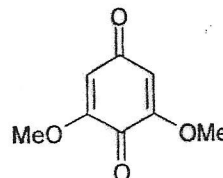
website: [www.indofinechemical.com](http://www.indofinechemical.com)

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

## HPLC ANALYSIS

Acquired by : Sanjeev  
 Sample Name : 2,6-Dimethoxy-1,4-benzoquinone  
 Sample ID : Lot No: 98045  
 Injection Volume : 20 uL  
 Data Filename : 160813F.lcd  
 Method Filename : Linear Gradient.M.lcm

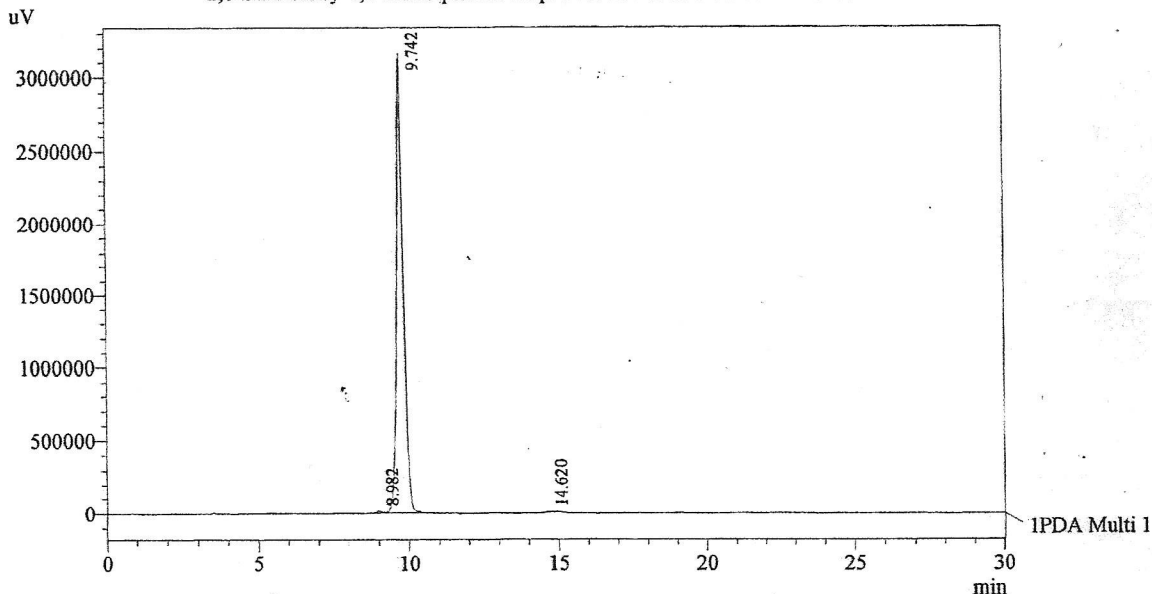
Catalog No.: 22-001  
 Product Name: 2,6-Dimethoxy-1,4-benzoquinone  
 Lot No.: 98045



Column : LUNA 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  
 30.0 90 10

Diluent : Acetonitrile

Chromatogram  
 2,6-Dimethoxy-1,4-benzoquinone D:\promonence\Data\2013\AUG-2013\160813F.lcd



1 PDA Multi 1 / 280nm 4nm

PeakTable

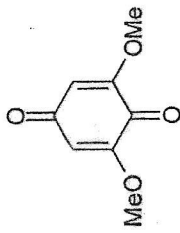
PDA Ch1 280nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:8.982	8.982	145535	0.31	0.92
2	2,6-Di-OMe-1,4-benzoquinone	9.742	47406092	99.59	1.00
3	RT:14.620	14.620	51800	0.11	1.50
Total			47603427	100.00	



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

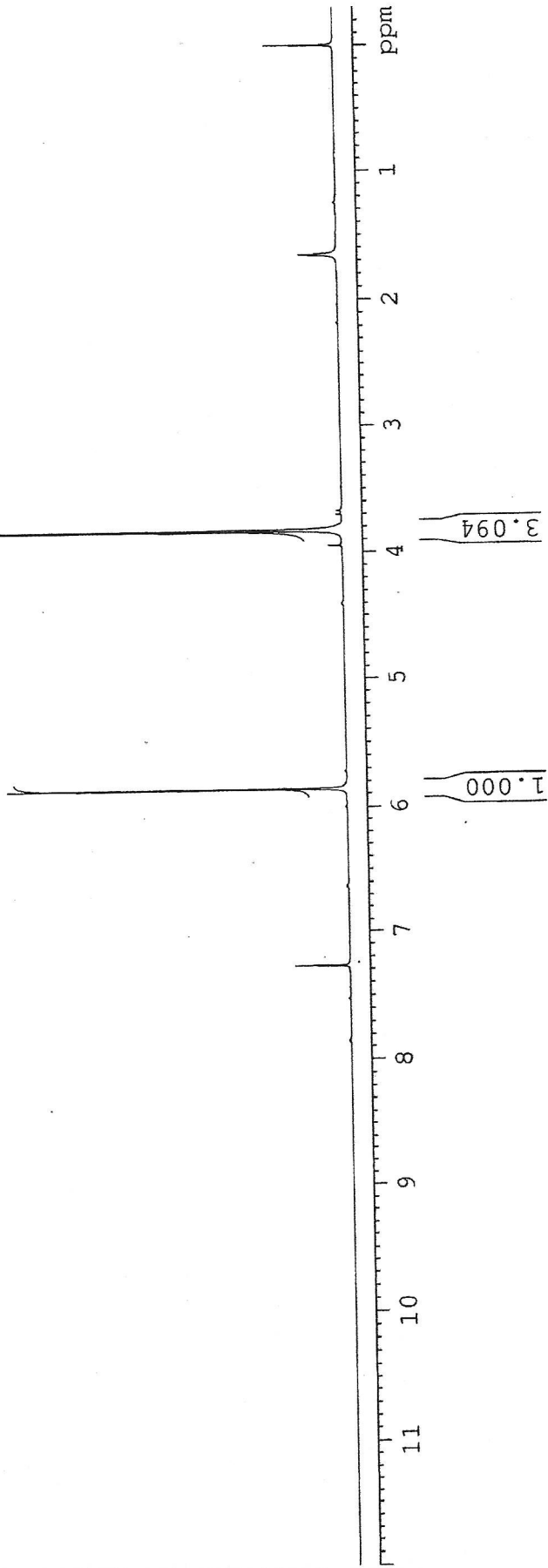
Catalog No.: 22-001  
 Product Name: 2,6-Dimethoxy-1,4-benzoquinone  
 Lot No.: 98045



SOLVENT CDCL3  
 NS 10  
 DS 0  
 SWH 10638.298 Hz  
 FIDRES 0.354634 Hz  
 AQ 1.4099560 sec  
 RG 45.2  
 DW 47.000 usec  
 DE 6.00 usec  
 TE 298.2 K  
 DI 1.50000000 sec  
 TD0 1

1H IN CDCL3  
 AVANCE-600

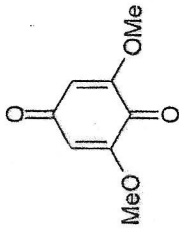
==== CHANNEL f1 =====  
 NUC1 1H  
 P1 7.50 usec  
 PL1 2.60 dB  
 PL1W 6.62584448 W  
 SF01 600.3348395 MHz  
 SI 32768  
 SF 600.3300061 MHz  
 EM  
 WDW 0  
 SSB 0.30 Hz  
 LB 0  
 GB 0  
 PC 1.00





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

Catalog No.: 22-001  
Product Name: 2,6-Dimethoxy-1,4-benzoquinone  
Lot No.: 98045



SOLVENT CDCl3  
NS 10  
DS 0  
SWH 10638.298 Hz  
FIDRES 0.354634 Hz  
AQ 1.4099560 sec  
RG 45.2  
DW 47.000 usec  
DE 6.00 usec  
TE 298.2 K  
D1 1.50000000 sec  
TD0 1

1H IN CDCl3  
AVANCE-600

----- CHANNEL f1 -----  
NUC1 1H  
P1 7.50 usec  
PL1 2.60 dB  
PL1W 6.62584448 W  
SFO1 600.3348395 MHz  
SI 32768  
SF 600.3300061 MHz  
WDW EM  
SSB 0  
LB 0.30 Hz  
GB 0  
PC 1.00

