



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

Cat No.: 06-009

Product: 2,5-DIMETHOXYBENZALDEHYDE

CAS Number: [93-02-7]

Lot Number: 03112004

Chemical Formula: C₉H₁₀O₃

Molecular Weight: 166.18

Melting Point: 48-50°C

Appearance: Pale yellow powder

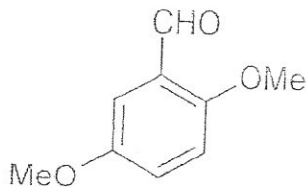
Solubility: Soluble in Chloroform

TLC: Hexane: Ethyl acetate (7:3)

NMR Spectrum: Enclosed

Storage: Cool dry place

Purity (HPLC): 99.65%





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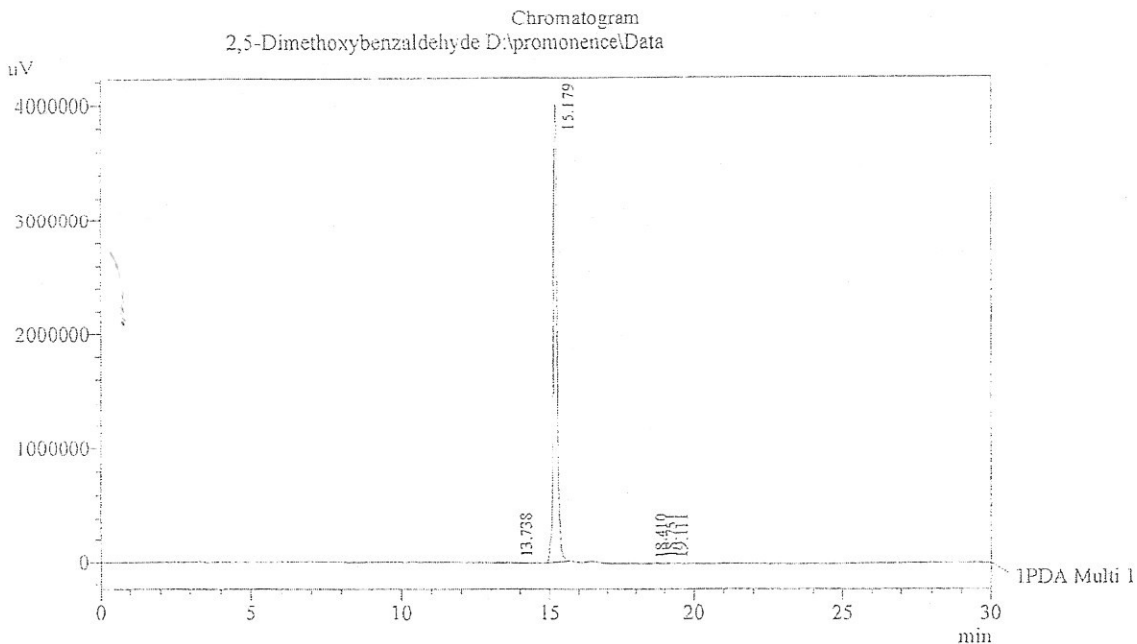
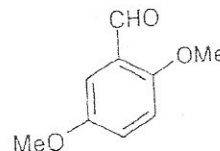
e-mail: chemical@indofinechemical.com

HPLC ANALYSIS

Acquired by : Sanjeev
 Sample Name : 2,5-Dimethoxybenzaldehyde
 Sample ID : Lot No:- 03112004
 Injection Volume : 20 uL
 Data Filename : 191012A.lcd
 Method Filename : Linear Gradient.M.lcm

Catalog no.: 06-009
 Product name: 2,5-Dimethoxybenzaldehyde
 Lot No.: 03112004

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
 15.0 10 90
 20.0 10 90
 25.0 90 10
 30.0 90 10



PeakTable

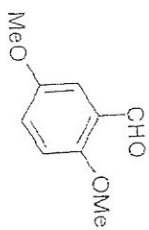
PDA Ch1 230nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:13.738	13.738	34030	0.09	0.91
2	2,5-Dimethoxybenzaldehy	15.179	36285845	99.65	1.00
3	RT:18.410	18.410	10452	0.03	1.21
4	RT:18.751	18.751	43698	0.12	1.24
5	RT:19.111	19.111	39208	0.11	1.26
Total			36413233	100.00	



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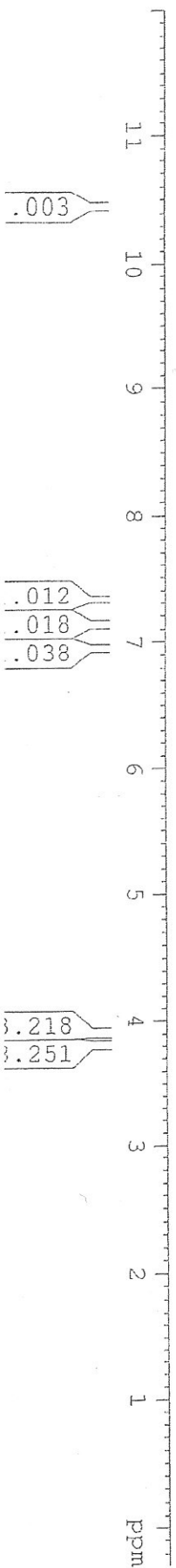
Catalog no.: 06-009
Product name: 2,5-Dimethoxybenzaldehyde
Lot No.: 03112004



1H IN CDCL3
AVANCE-600

SOLVENT CDCL3
NS 16
DS 2
SWH 12335.526 Hz
FIDRES 0.186235 Hz
AQ 2.6564426 Sec
RG 22.6
DN 40.533 usec
DE 6.50 usec
TE 298.2 K
D1 1.000000000 sec
TD0 1

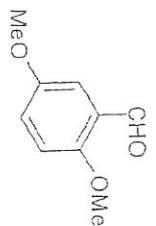
===== CHANNEL F1 =====
NUC1 1H
P1 7.50 usec
PL1 2.60 dB
PLW 6.62584448 W
SFO1 600.3237073 MHz
SI 3276.
SF 600.3200105 MHz
WDW EN
SSB 0
LB 0.30 Hz
GB 0
PC 1.00





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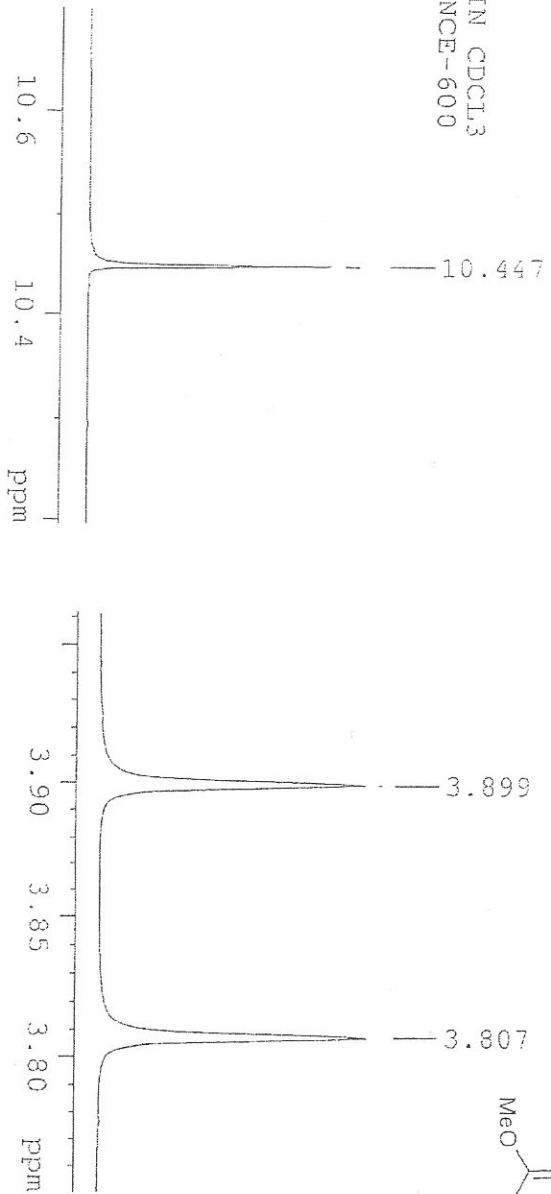
Catalog no.: 06-009
Product name: 2,5-Dimethoxybenzaldehyde
Lot No.: 03112004



SOLVENT CDCL3
NS 16
DS 2
SWH 12335.526 Hz
FIDRES 0.188225 Hz
AQ 2.6564425 sec
RG 22.6
DW 40.533 usec
DE 5.50 usec
TE 298.2 K
D1 1.00000000 sec
TDO 1

CHANNEL 01
NUC1 1H
P1 7.50 usec
PL1 2.60 dB
PL1W 6.62584442 Hz
SFO1 600.3337073 MHz
SI 32768
SF 600.3300105 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

1H IN CDCL3
AVANCE-600



7.334
7.328
7.271
7.151
7.146
7.136
7.131
6.957
6.942

