



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: 22-416

Product Name: **2,4-DIBROMO-5-HYDROXYBENZALDEHYDE**

Lot Number: 1709866

CAS Number: [3111-51-1]

Chemical Formula: C₇H₄Br₂O₂

Molecular Weight: 279.92

Melting Point: 138-141°C

Appearance: Pale brown powder

Moisture(KF): 0.32%

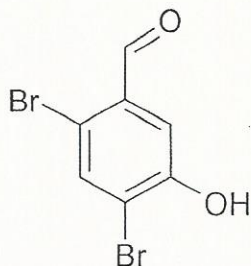
Solubility: Soluble in chloroform

TLC: Hexane : Ethyl acetate (8:2)

NMR Spectrum: Enclosed (conforms to the structure)

Storage: Store in a cool, dry place

Purity(HPLC): 99.28%





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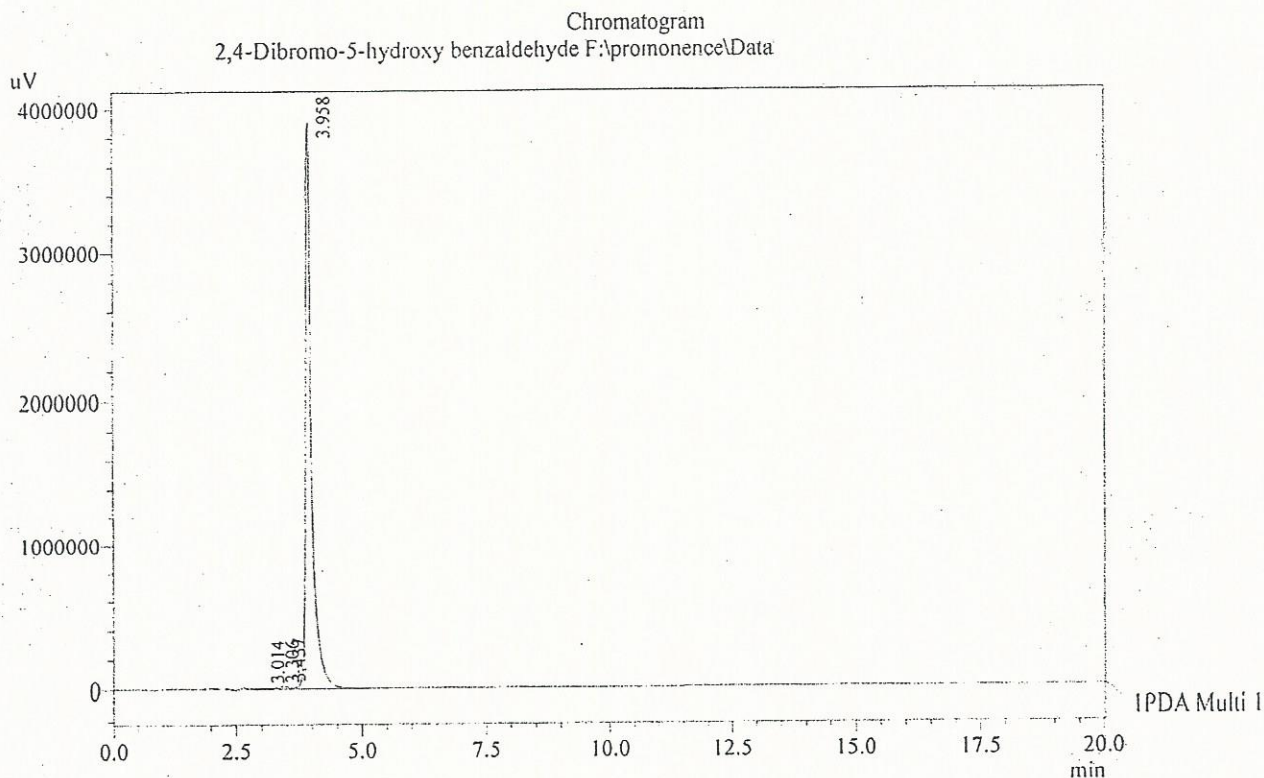
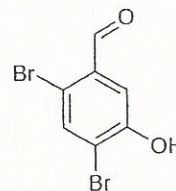
website: www.indofinechemical.com

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HPLC ANALYSIS

Acquired by : Admin
Sample Name : 2,4-Dibromo-5-hydroxy benzaldehyde
Sample ID : 1.0 kg LOT
Injection Volume : 20 uL
Data Filename : 080917H.lcd
Method Filename : Isocratic Method.lcm
Report Filename : Default.lcr

Catalog No.: 22-416
Product Name: 2,4-Dibromo-5-hydroxybenzaldehyde
Lot No.: 1709866



I PDA Multi 1 / 230nm 4nm

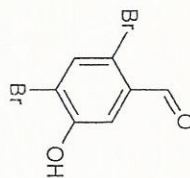
PeakTable

PDA Ch1 230nm 4nm

Peak#	Name	Ret. Time	Height	Area %	Relative Retention Time
1	RT:3.014	3.014	4282	0.10	0.76
2	RT:3.306	3.306	6079	0.10	0.84
3	RT:3.437	3.437	18918	0.51	0.87
4	RT:3.958	3.958	3902870	99.28	1.00
Total			3932150	100.00	



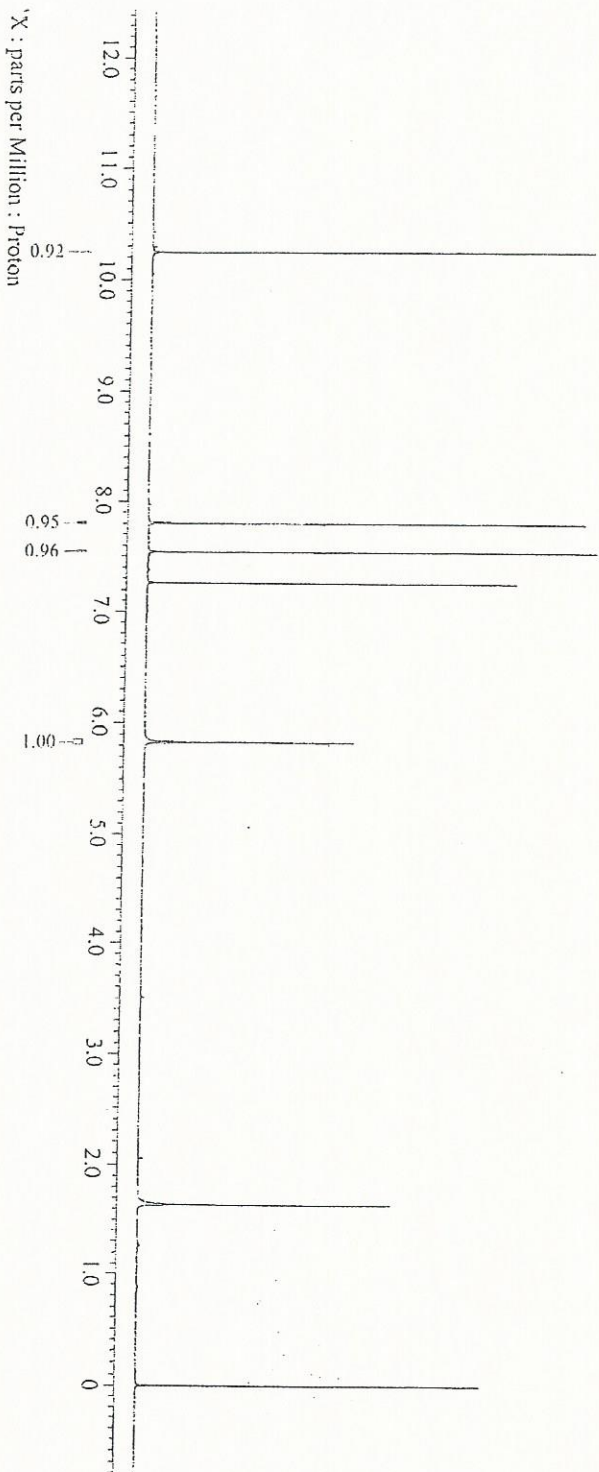
INDOFINE Chemical Company, Inc.
 121 STRYKER LANE
 BLDG. 30, SUITE 1
 HILLSBOROUGH, NJ 08844



Catalog No.: 22-416
 Product Name: 2,4-Dibromo-5-hydroxybenzaldehyde
 Lot No.: 1709866

2,4-DB-5-OH-BZ_proton-1-2.jdf
 045712-17

10.244
 7.804
 7.543
 5.826



```

----- PROCESSING PARAMETERS -----
sexp( 0.3[Hz], 0.0[sec] )
trapzoid( 0[%], 0[%], 80[%], 100[%] )
zerofill( 4 )
fft( 1, TRUE, TRUE )
machinephase
ppm
reference( -0.01432[ppm], 0[ppm] )
phase( 1.0367, 0, 88.95438[%] )
Derived from: 2,4-DB-5-OH-BZ_proton-1-1.jdf

```

```

Filename           = 2,4-DB-5-OH-BZ_proton-1-2.
Instrument          = NMR-500MHz (PROZ)
Instrument Id      = NMR-02
Author            = zraju1338
Reviewed by      = Ramesh
Solvent           = CHLOROFORM-D
Spectrometer     = JNM-ECS500R/S1
Experiment       = proton.jxp

```

```

Acquisition Parameter
X_Domain          = 1H
X_Offset         = 7.0[ppm]
X_Sweep          = 11.28158845[Hz]
Scans            = 16
Relaxation_Delay = 2[s]

```

X : parts per Million : Proton