



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: 06-1371

Product Name: 1-TETRADECANETHIOL

CAS Number: [2079-95-0]

Lot Number: 1507641

Chemical Formula: C₁₄H₃₀S

Molecular Weight: 230.45

Appearance: Colorless liquid

Solubility: Soluble in chloroform

NMR Spectrum: Enclosed (conforms to the structure)

Storage: Store in a cool, dry place

Purity(GC): 98.75%





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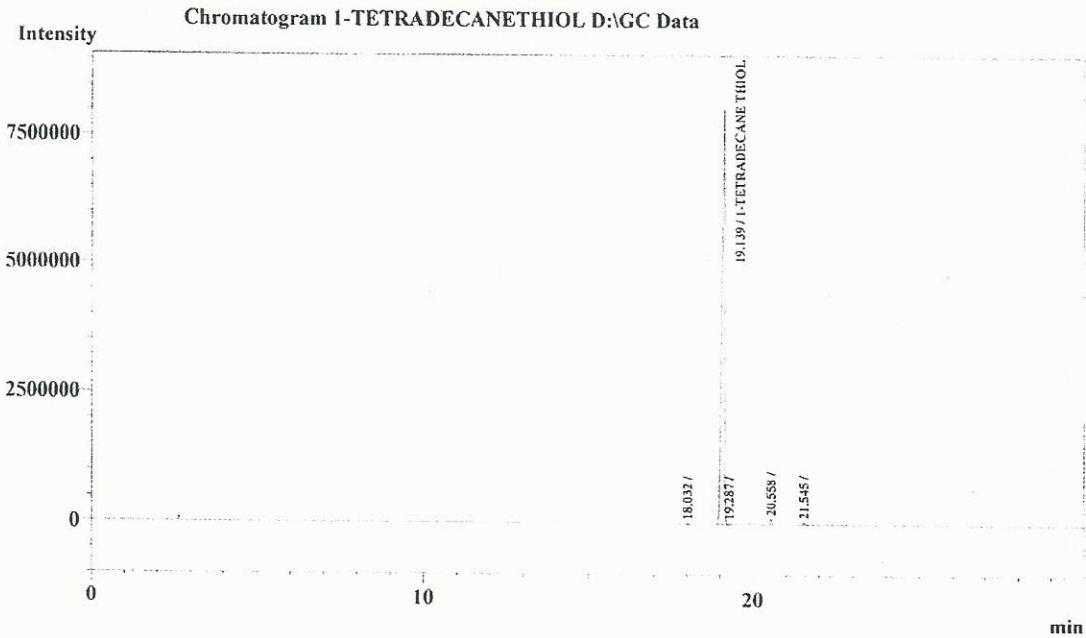
GC ANALYSIS

User Name : Satyanarayana
Sample Name : 1-TETRADECANETHIOL
Sample ID : Lot no:1507641
Method Name : D:\Methods\General method.gcm
Data File Name : D:\GC Data

Catalog No.: 06-1371
Product Name: 1-Tetradecanethiol
Lot No.: 1507641

Description

Column : EB-5 - (30M x 0.32mm x 1.0 um)
Injector - 250°C
Detector - 300°C
Column temp - 80-10-250(5)



Peak Table - Channel 1

Peak#	Ret.Time	Area	Height	Area%	Name
1	18.032	79991	29888	0.16	
2	19.139	48434496	8075961	98.75	1-TETRADECANE THIOL
3	19.287	66051	26557	0.13	
4	20.558	322655	111861	0.66	
5	21.545	145782	46523	0.30	
Total		49048975	8290790	100.00	

ICG **INDOFINE Chemical Company, Inc.**

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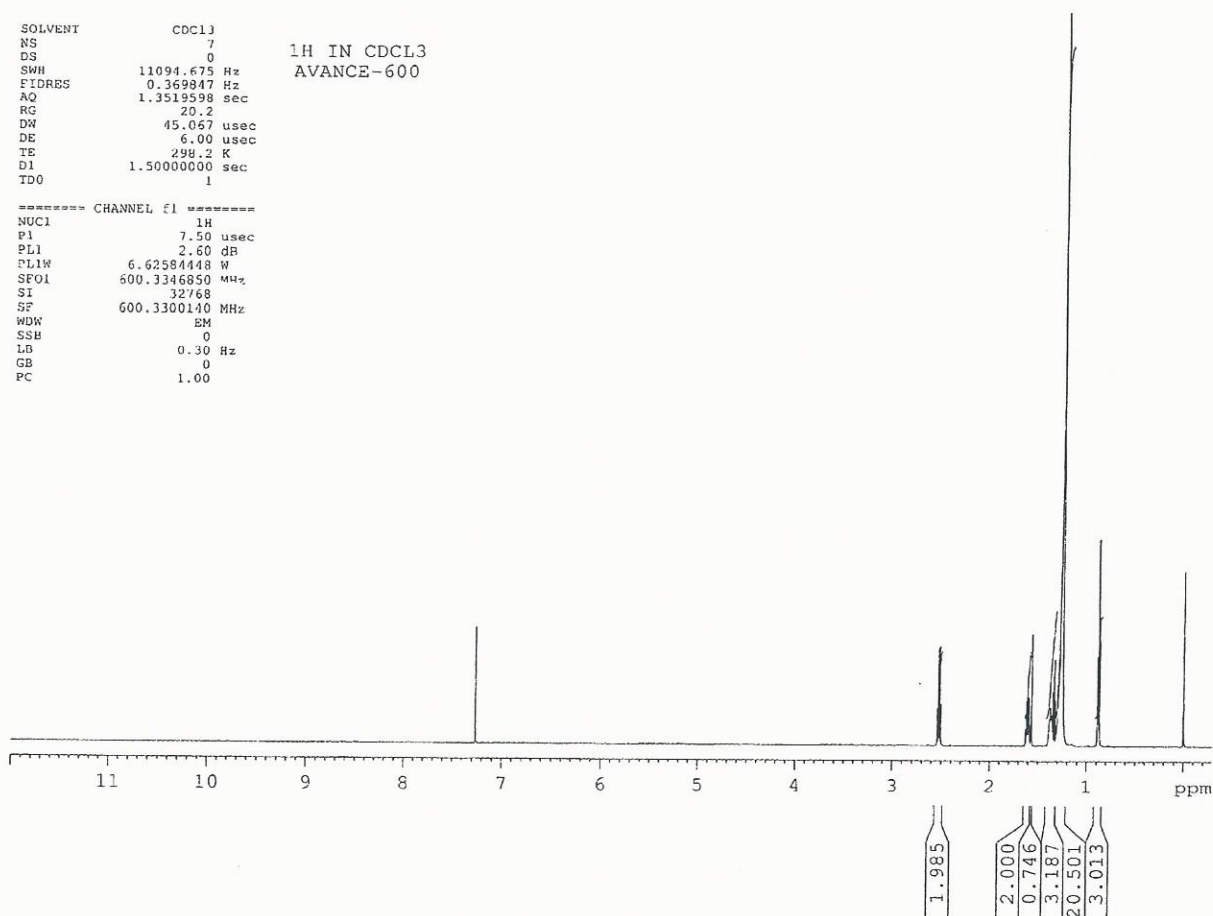
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Catalog No.: 06-1371
Product Name: 1-Tetradecanethiol
Lot No.: 1507641



```
SOLVENT      CDCL3
NS           7
DS           0
SWH         11094.675 Hz
FIDRES      0.369847 Hz
AQ          1.3519598 sec
RG           20.2
DN           45.067 usec
DE           6.00 usec
TE           298.2 K
D1          1.50000000 sec
TD0         1

===== CHANNEL f1 =====
NUC1        1H
P1          7.50 usec
PL1         2.60 dB
PL1W        6.62584448 W
SFO1        600.3346850 MHz
SI          32768
SF          600.3300100 MHz
WDW         EM
SSB         0
LB          0.30 Hz
GB          0
PC          1.00
```





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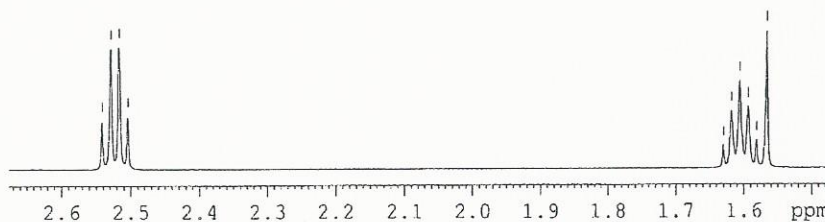
SOLVENT CDCL3
NS 7
DS 0
SWH 11094.675 Hz
FIDRES 0.369847 Hz
AQ 1.3519598 sec
RG 20.2
JW 45.067 usec
DE 6.00 usec
TE 298.2 K
D1 1.50000000 sec
TD0 1

1H IN CDCL3
AVANCE-600

2.542
2.529
2.517
2.505

1.630
1.618
1.606
1.593
1.581
1.568
1.565

----- CHANNEL f1 -----
NUC1 1H
P1 7.50 usec
PL1 2.60 dB
PL1W 6.62584448 W
SFO1 600.3346850 MHz
SI 32768
SF 600.3300140 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



1.383
1.371
1.359
1.347
1.334
1.321
1.296
1.284
1.273
1.256

0.892
0.881
0.869

