



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

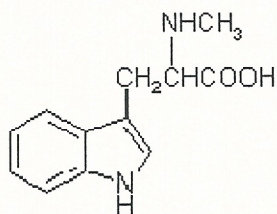
website: www.indofinechemical.com

e-mail: chemical@indofinechemical.com

CERTIFICATE OF ANALYSIS

Cat No.: A-001

<u>Product:</u>	ABRINE (N-Methyltryptophan)
<u>CAS Number:</u>	[526-31-8]
<u>Lot Number:</u>	96027
<u>Chemical Formula:</u>	$C_{12}H_{14}N_2O_2$
<u>Molecular Weight:</u>	218.25
<u>Melting Point:</u>	>280°C
<u>Appearance:</u>	White powder
<u>TLC:</u>	Chloroform: methanol: Acetic acid (7:1:1)
<u>Solubility:</u>	Sparingly soluble in methanol
<u>Storage:</u>	Cool dry place
<u>Purity:</u>	97.70%



A-001



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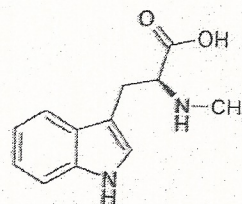
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HPLC ANALYSIS

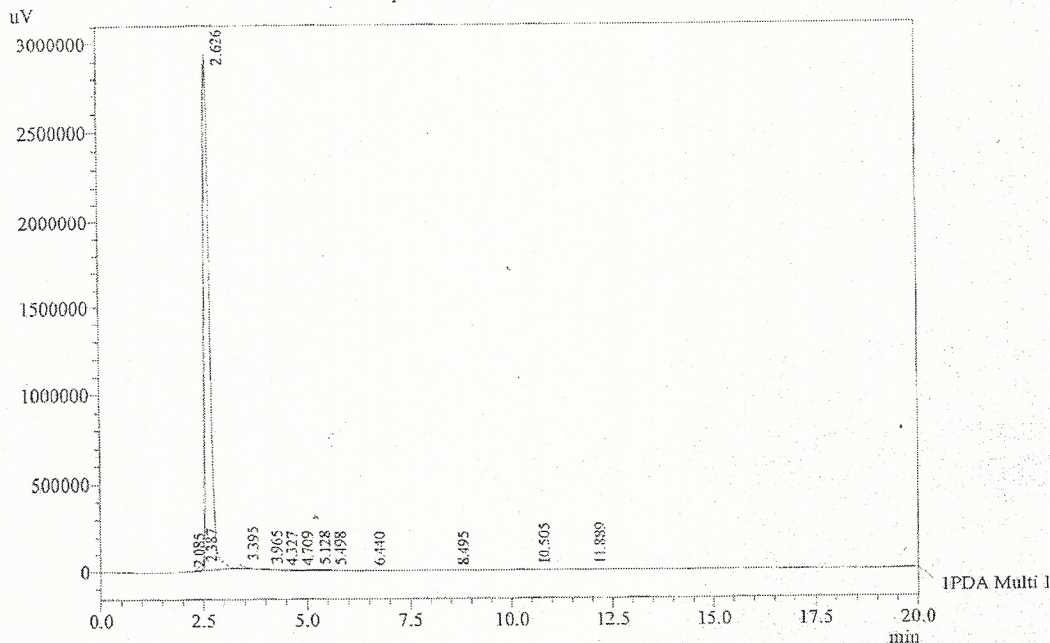
Catalog no.: A-001
Product name: Abrine
Lot No.: 96027

Acquired by : Sanjeev
Sample Name : L-Abrine
Sample ID : Lot No:-96027
Injection Volume : 20 uL
Data Filename : 0106121.lcd
Method Filename : Linear Isocratic.M1cm

Column : LUNA C-18(2), (250mm x4.6mm 5.0μ)
Flow : 1.000 mL/min.
Mobile Phase : A(30% of 0.05% TFA in water) B(70% of Methanol)



Chromatogram
L-Abrine ID: \promonence\Data\2012JUNE-2012\0106121.lcd



1 PDA Multi 1 / 215nm 4nm

PeakTable

PDA Ch1 215nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:2.085	2.085	8341	0.03	0.79
2	RT:2.387	2.387	125711	0.45	0.91
3	L-Abrine	2.626	27552193	97.70	1.00
4	RT:3.395	3.395	190732	0.68	1.29
5	RT:3.965	3.965	39489	0.14	1.51
6	RT:4.327	4.327	12788	0.05	1.65
7	RT:4.709	4.709	39673	0.14	1.79
8	RT:5.128	5.128	84165	0.30	1.95
9	RT:5.498	5.498	17518	0.06	2.09
10	RT:6.440	6.440	41887	0.15	2.45
11	RT:8.495	8.495	31356	0.11	3.23
12	RT:10.505	10.505	42059	0.15	4.00
13	RT:11.889	11.889	14389	0.05	4.53
Total			28200299	100.00	



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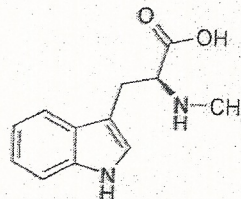
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Catalog no.: A-001
Product name: Abrine
Lot No.: 96027

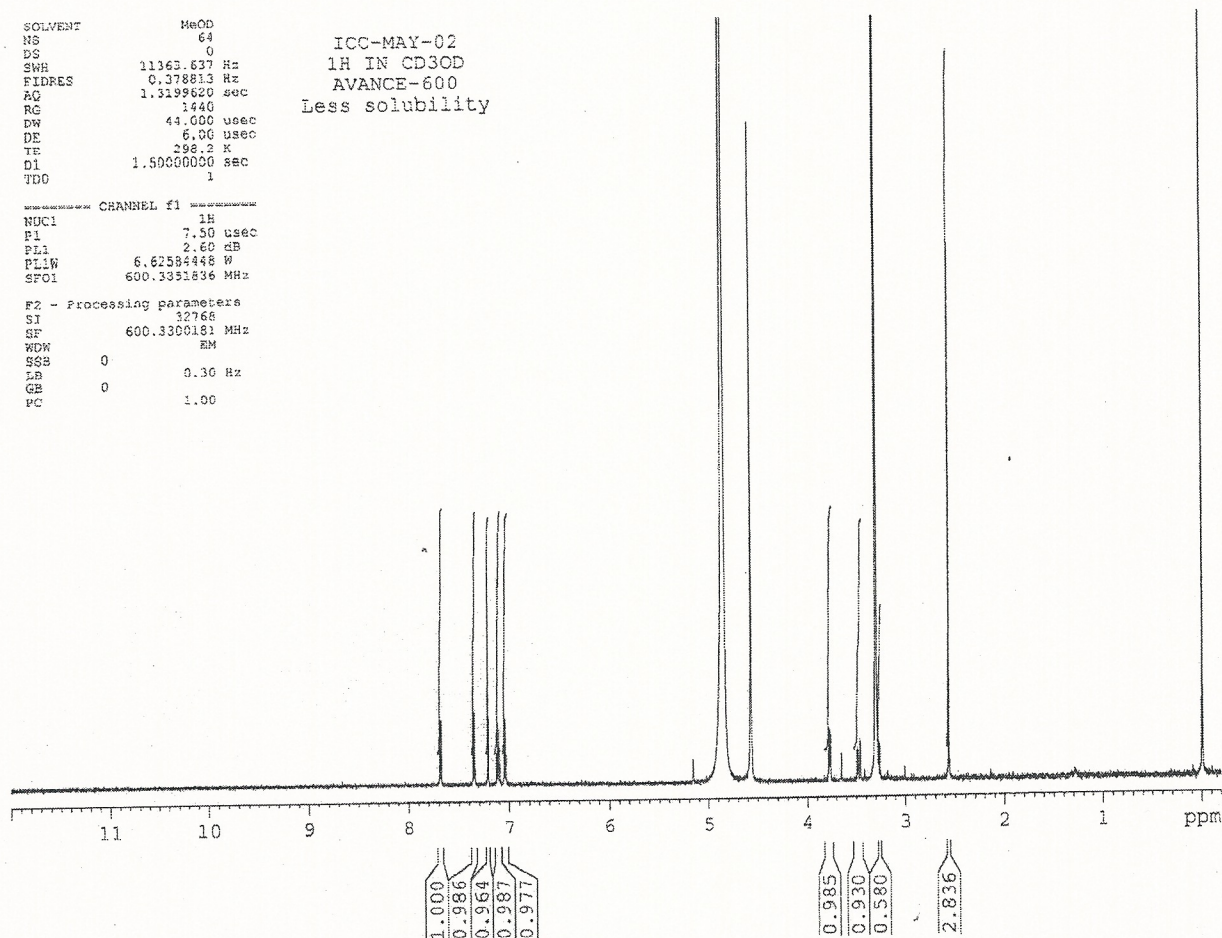


SOLVENT MeOD
NS 64
DS 0
SWH 11363.637 Hz
FIDRES 0.378813 Hz
AQ 1.3199620 sec
RG 1440
DW 44.000 usec
DE 6.00 usec
TE 298.2 K
D1 1.50000000 sec
TD0 1

ICC-MAY-02
1H IN CD3OD
AVANCE-600
Less solubility

CHANNEL f1
NUC1 1H
P1 7.50 usec
PL1 2.60 dB
PLW 6.62584448 W
SFO1 600.3391836 MHz

F2 - Processing parameters
SI 32768
SF 600.3300181 MHz
WDW EM
SSS 0
LB 0.30 Hz
GB 0
VC 1.00





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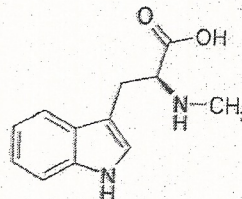
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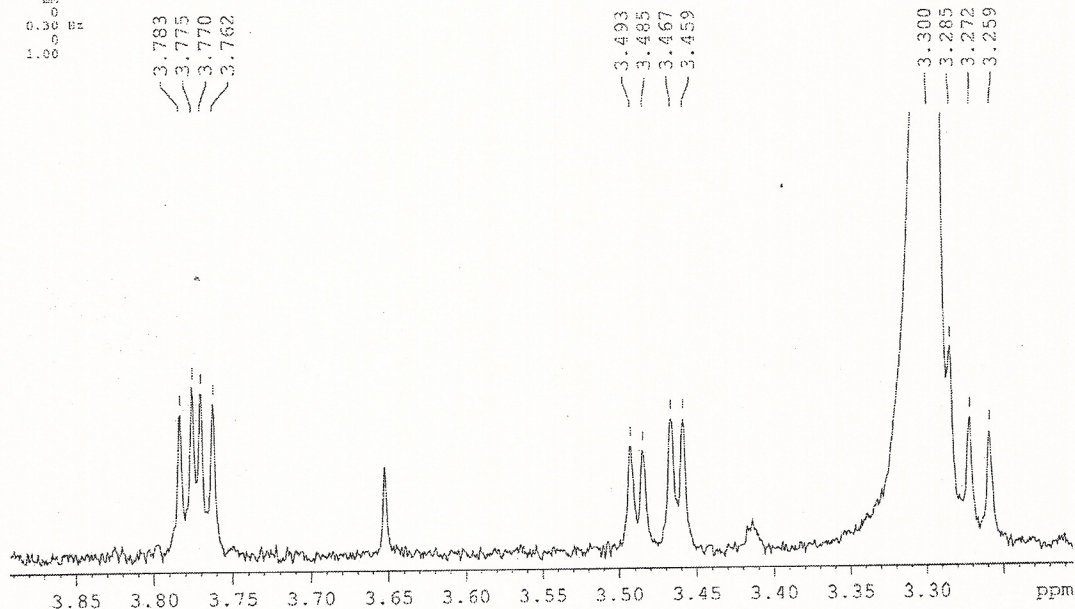
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SOLVENT MeOD
SC 64
DS 0
SWH 11963.637 Hz
FIDRES 0.378813 Hz
AQ 1.3189620 sec
RG 1440
DN 44.000 usec
DE 6.00 usec
TE 298.2 K
D1 1.5000000 sec
TD0 1

ICC-MAY-2
1H IN CD3OD
AVANCE-600
Less solubility

CHANNEL F1
NUC1 1H
P1 7.50 usec
PL1 2.00 dB
PL1W 6.62584448 W
SFO1 600.3351435 MHz
SI 32768
SF 600.3300181 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00





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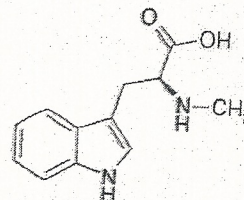
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FIDRES 0.378613 Hz
AQ 1.3199620 sec
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SW 44.000 usec
DE 6.00 usec
TE 298.2 K
D1 1.50000000 sec
TD0 1

ICC-MAY-2
1H IN CD3OD
AVANCE-600
Less solubility

CHANNEL F1
NUC1 1H
P1 7.00 usec
PL1 2.60 dB
PL1W 0.62384448 W
SFO1 600.3351830 MHz
SI 32768
SF 600.3300181 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

