



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: H-005

Product Name: **HARMINE**

CAS Number: [442-51-3]

Lot No.: 1912364

Molecular Formula: C₁₃H₁₂N₂O

Molecular Weight: 212.25

Appearance: Off-white powder

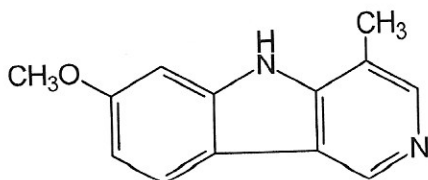
Melting Point: 265-267°C

Moisture (KF): 0.37%

TLC: Chloroform:Methanol (9:1)

Storage: Store in a cool, dry place.
Keep package airproofed when not in use.

Purity (HPLC): 99.85%



Prepared by:
Ramesh Mandadi
Ramesh Mandadi
Director of Operations

Reviewed and Approved by:
Sujata Moton
Sujata Moton
VP



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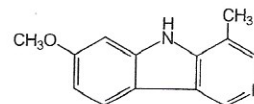
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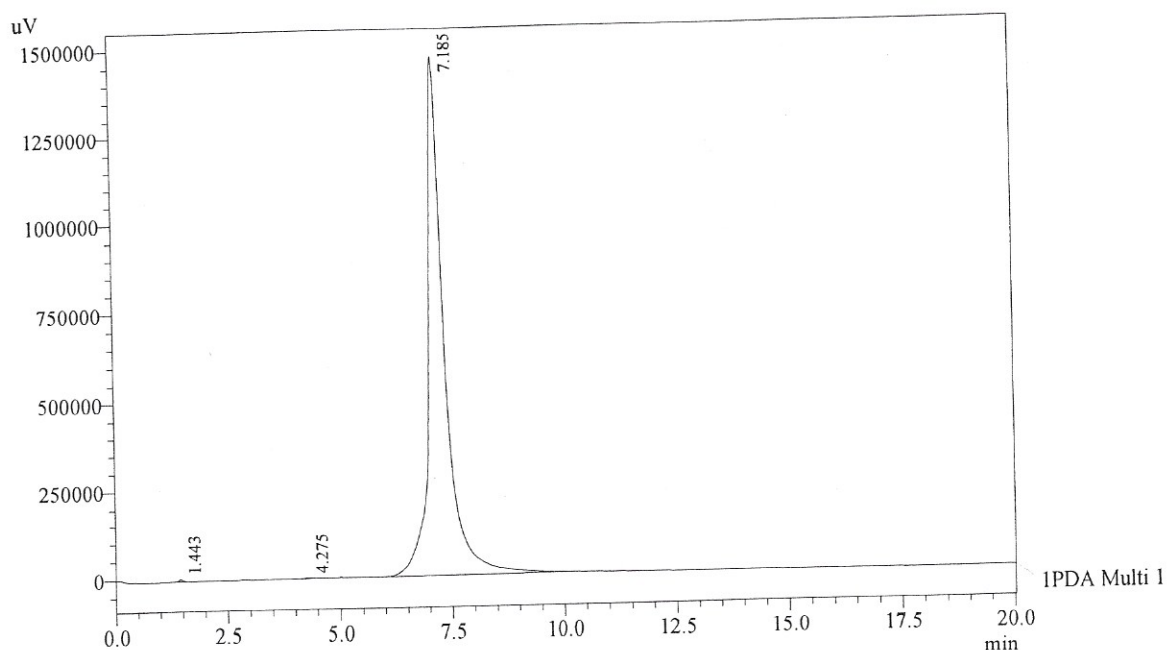
HPLC ANALYSIS

Acquired by : Admin
Sample Name : Harmine
Sample ID : 11 kg lot
Injection Volume : 20 uL
Data Filename : 281119B.lcd
Method Filename : HMN.lcm
Report Filename : Default.lcr

Catalog No.: H-005
Product Name: Harmine
Lot No.: 1912364



Chromatogram



1 PDA Multi 1 / 220nm 4nm

PeakTable

PDA Ch1 220nm 4nm

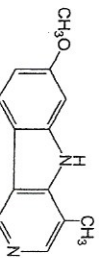
Peak#	Name	Ret. Time	Height	Area %	Relative Retention Time
1	RT:1.443	1.443	6190	0.09	0.20
2	RT:4.275	4.275	1447	0.06	0.59
3	RT:7.185	7.185	1468419	99.85	1.00
Total			1476056	100.00	

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



Catalog No.: H-005
Product Name: Harmine
Lot No.: 1912364

¹H in DMSO-D₆

11.402

8.153
8.135
8.056
8.027
7.801
7.783
7.013
7.006
6.856
6.849
6.827
6.820

3.868

3.347

2.719
2.500
2.495

Current Data Parameters
NAME HRM
EXPNO 1
PROCNO 1

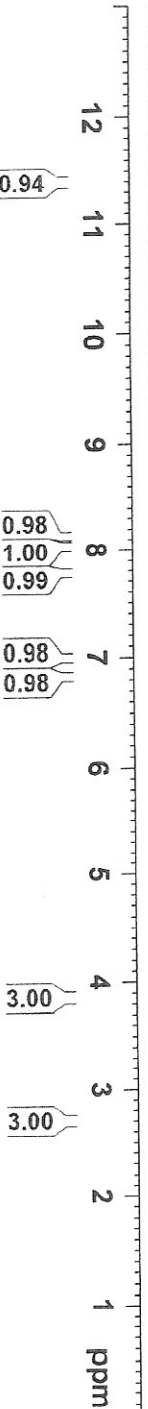
F2 - Acquisition Parameters
Date_ 20191126
Time 11.45 h

INSTRUM Avance NBO Nano
PROBHD Z104275_0439 (PULPROG
TD zg30
SOLVENT DMSO
NS 16
DS 2

SWH 5882.353 Hz
FIDRES 0.179515 Hz
AQ 5.5705600 sec
RG 101
DE 85.000 usec
TE 298.0 K
D1 1.00000000 sec

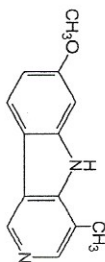
TD0 1
SFO1 300.3018544 MHz
P0 1H
NUC1 1H
PO 4.67 usec
P1 14.00 usec
PLW1 8.77795988 W

F2 - Processing parameters
SI 65516
SF 300.3000035 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00





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