



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: P-006

Product Name: **PONGAMOL**

CAS Number: [484-33-3]

Lot Number: 1605770

Chemical Formula: C₁₈H₁₄O₄

Molecular Weight: 294.32

Appearance: Off white powder

Melting Point: 127-129°C

Moisture(KF): 0.31%

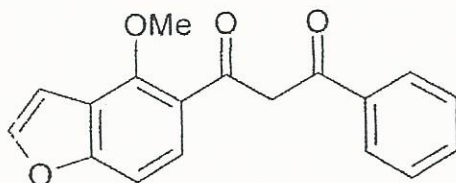
TLC: Hexane:Ethyl acetate (1:1)

Solubility: Soluble in Acetone and Chloroform

NMR Spectrum: Enclosed (conforms to the structure)

Storage: Store in a cool, dry place

Purity(HPLC): 99.35%





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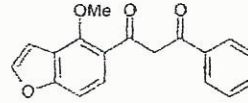
e-mail: chemical@indofinechemical.com

HPLC ANALYSIS

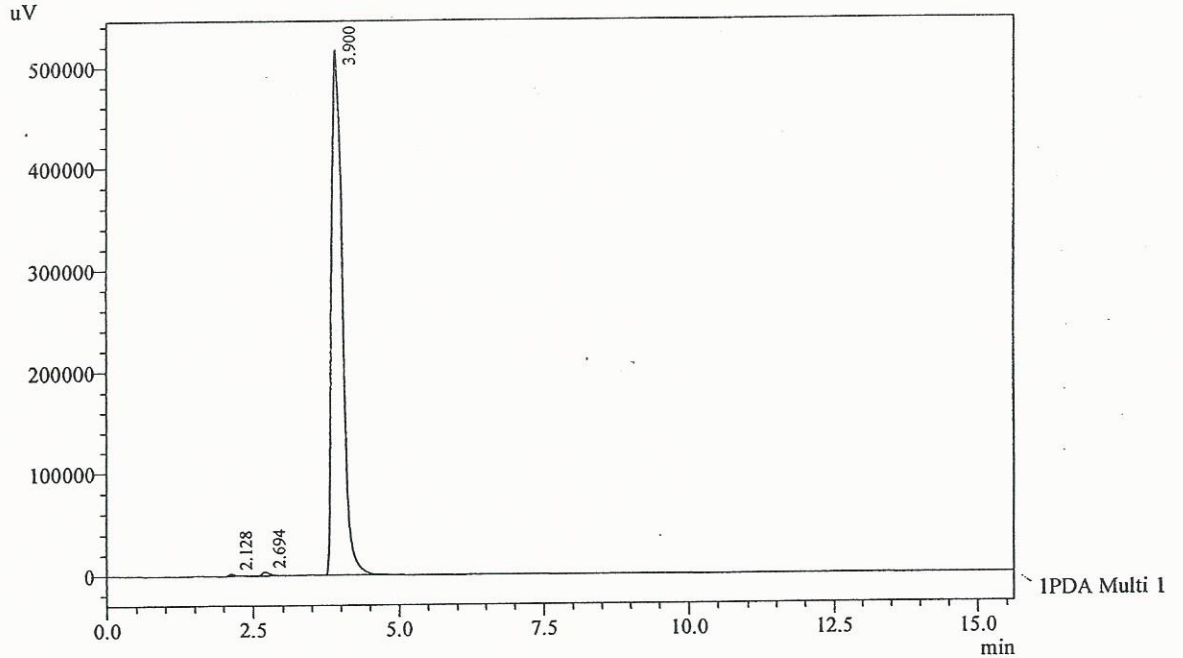
Acquired by : Admin
 Sample Name : Pongamol
 Sample ID : 1.0 kg from 2.0kg Lot
 Injection Volume : 20 uL
 Data Filename : 030516A.lcd
 Method Filename : Isocratic Method.lcm

Catalog No.: P-006
 Product Name: Pongamol
 Lot No.: 1605770

Column : Gemini C-18(2), (250mm x4.6mm 5.0μ)
 Flow : 2.000 mL/min.
 Mobile Phase : A(20% of water) B(80% of Acetonitrile)



Chromatogram



1 PDA Multi 1 / 320nm 4nm

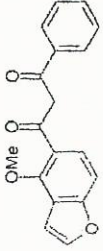
PeakTable

PDA Ch1 320nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:2.128	2.128	12048	0.18	0.55
2	RT:2.694	2.694	31736	0.47	0.69
3	Pongamol	3.900	6647945	99.35	1.00
Total			6691730	100.00	



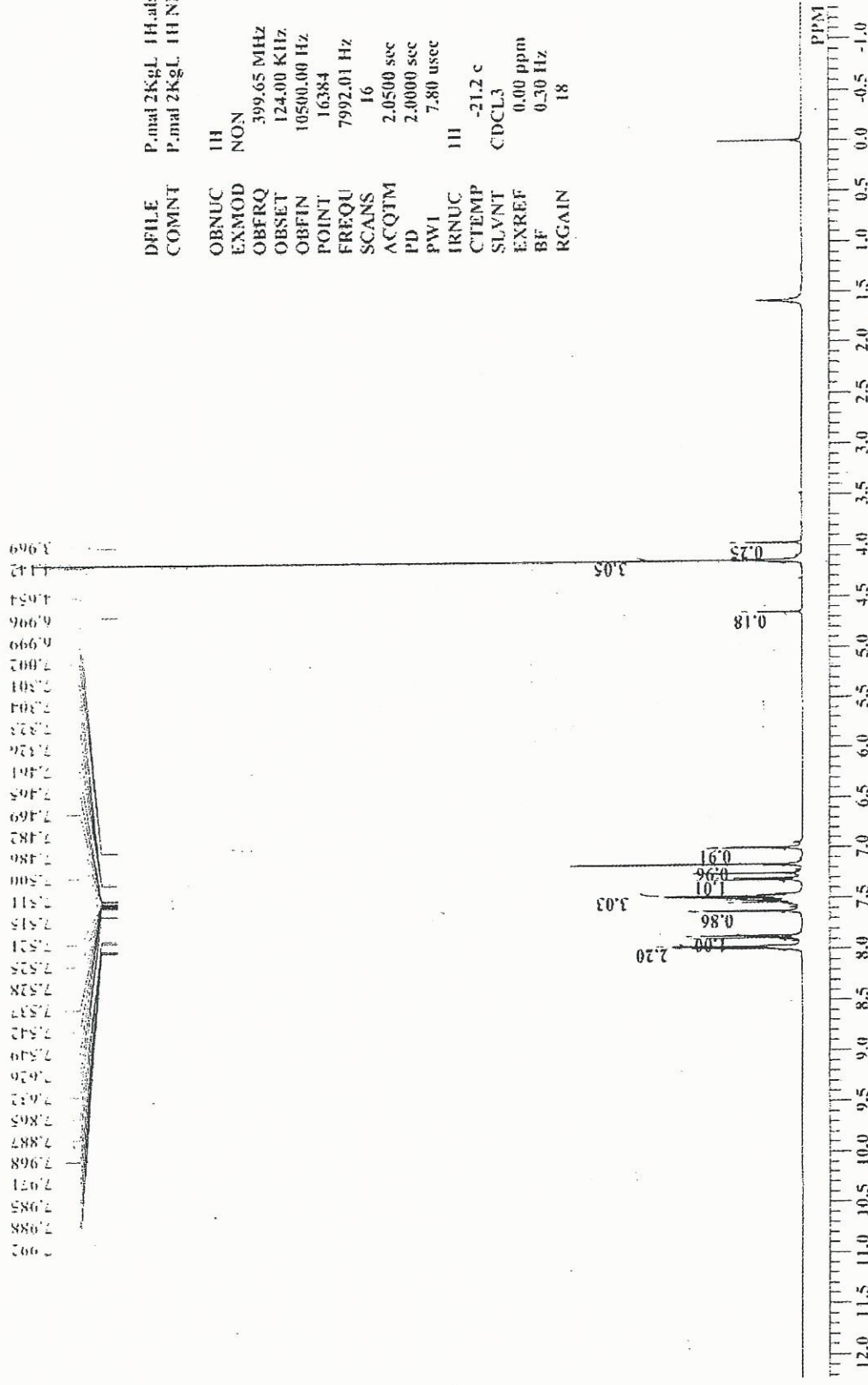
INDOFINE Chemical Company, Inc.
 121 STRYKER LANE
 BLDG. 30, SUITE 1
 HILLSBOROUGH, NJ 08844



Catalog No.: P-006
 Product Name: Pongamol
 Lot No.: 1605770

¹H NMR CDCl₃

Analysed By : SPM



DFILE P:\mat 2K\GL 1H.xls
 COMNT P:\mat 2K\GL 1H NMR CDCl₃

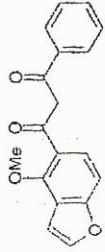
OBNUC 1H
 EXMOD NON
 OBFRQ 399.65 MHz
 OBSET 124.00 KHz
 OBFTN 19500.00 Hz
 POINT 16384
 FREQU 7992.01 Hz
 SCANS 16
 ACQTM 2.0500 sec
 PD 2.4000 sec
 PW1 7.80 usec

IRNUC 1H
 CTEMP -21.2 c
 SLVNT CDCl₃
 EXREF 0.00 ppm
 BF 0.30 Hz
 RGAIN 18



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¹H NMR CDCl₃

Analysed By : SPM



DFILE P.mal 2Kgl. 1H.als
COMNT P.mal 2Kgl. 1H NMR CDCl₃

OBNUC 1H
EXMOD NON
OBFRQ 399.65 MHz
OBSET 124.00 KHz
OBFIN 10500.00 Hz
POINT 16384
FREQU 7992.01 Hz
SCANS 16
ACQTM 2.0500 sec
PD 2.0000 sec
PWI 7.80 usec
IRNUC 1H
CTEMP -21.2 c
SIVNT CDCl₃
EXREF 0.00 ppm
BF 0.30 Hz
RGAIN 18

