



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: G-001

Product Name: **GARDENIN**
(5-Hydroxy-6,7,8,3',4',5'-hexamethoxyflavone)

CAS Number: [21187-73-5]

Lot Number: 98002

Chemical Formula: C₂₁H₂₂O₉

Molecular Weight: 418.39

Melting Point: 162-163°C

Appearance: Yellow powder

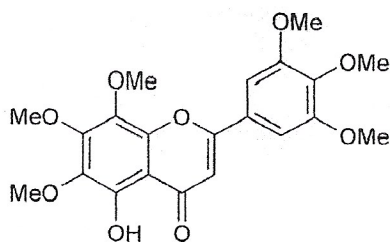
Solubility: Soluble in chloroform

TLC: Chloroform:Acetone (9:1)

Storage: Store in a cool, dry place

NMR Spectrum: Enclosed (conforms to the structure)

Purity(HPLC): 96.19%





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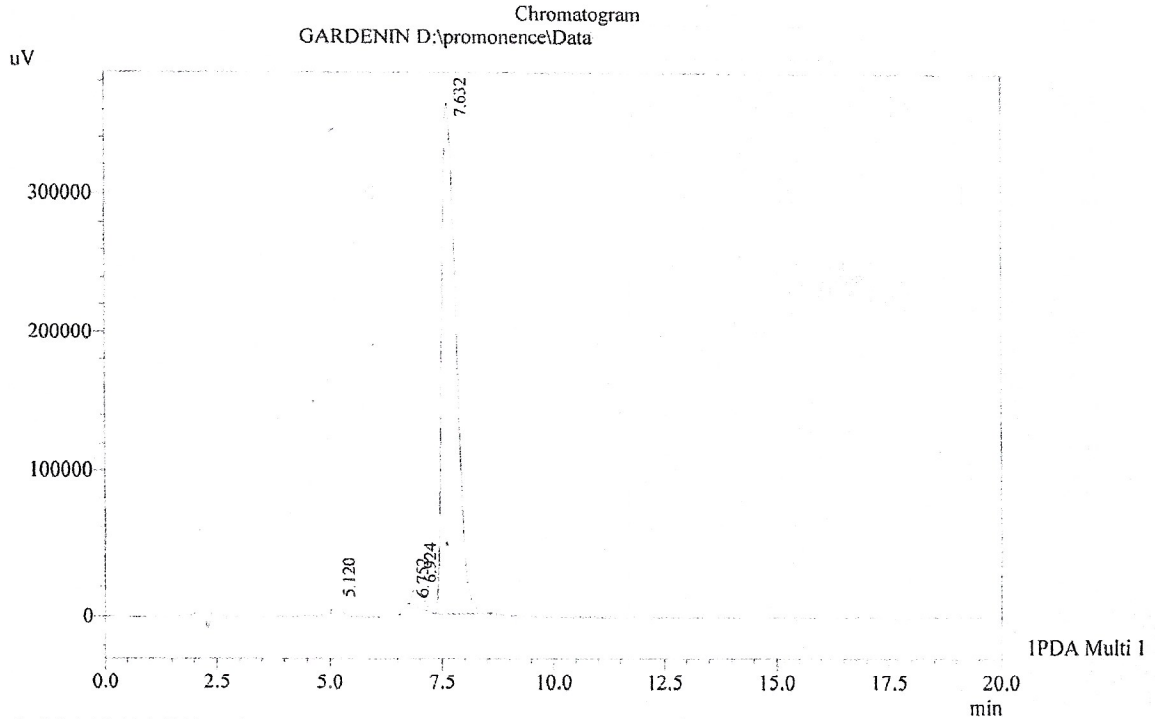
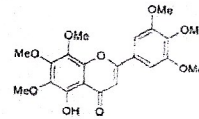
e-mail: chemical@indofinechemical.com

HPLC ANALYSIS

Acquired by : Admin
Sample Name : GARDENIN
Sample ID : Lot No: 98002
Injection Volume : 20 uL
Data Filename : 051015H.lcd
Method Filename : Linear Isocratic.M.lcm

Catalog No.: G-001
Product Name: Gardenin
Lot No.: 98002

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 Acetonitrile)



1 PDA Multi 1 / 230nm 4nm

PeakTable

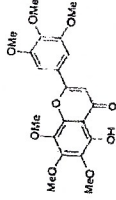
PDA Ch1 230nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:5.120	5.120	88750	1.09	1.00
2		6.752	17445	0.21	1.32
3	RT:6.924	6.924	204870	2.51	1.35
4	GARDENIN	7.632	7847529	96.19	1.49
Total			8158594	100.00	



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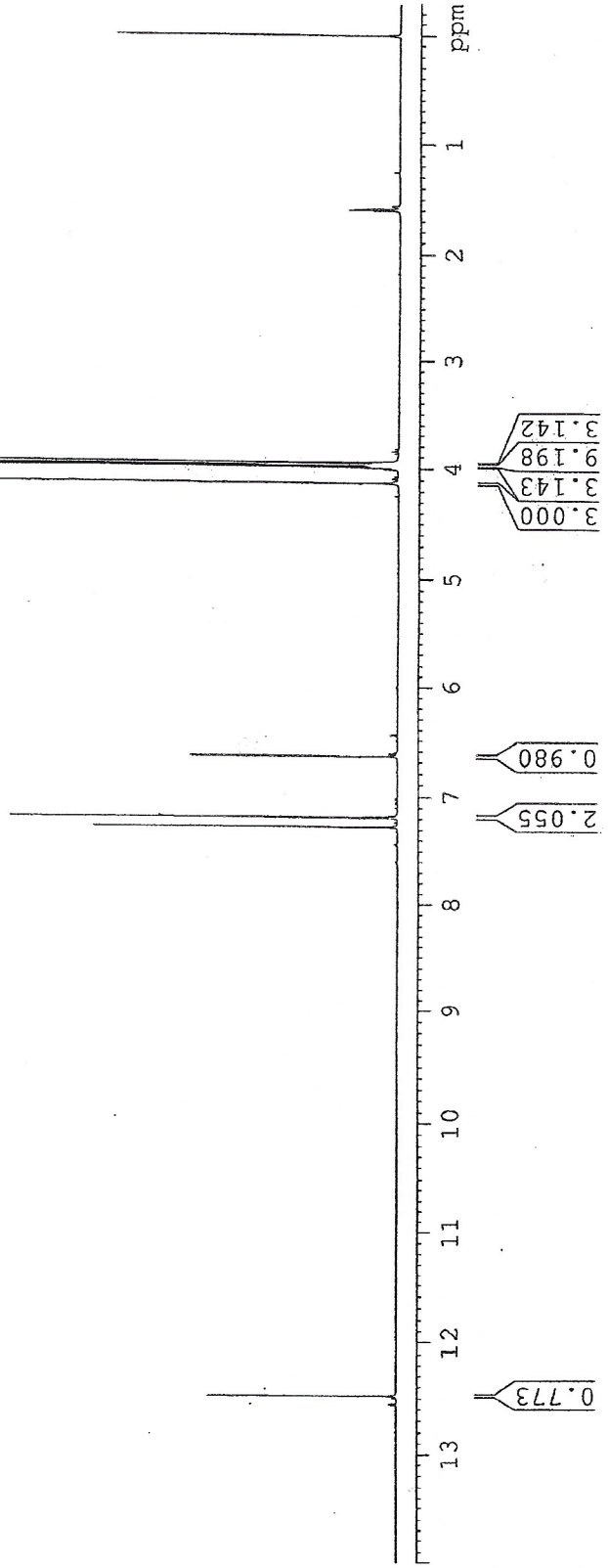
Catalog No.: G-001
 Product Name: Gardenin
 Lot No.: 98002

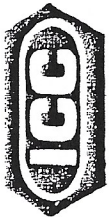


SOLVENT CDC13
 NS 8
 DS 0
 SWH 11094.675 Hz
 FIDRES 0.369847 Hz
 AQ 1.3519598 sec
 RG 64
 DW 45.067 usec
 DE 6.00 usec
 TE 298.2 K
 DL 1.50000000 sec
 ID0 1

===== CHANNEL f1 =====
 NUC1 1H
 P1 7.50 usec
 PL1 2.60 dB
 PL1W 6.62584448 W
 SF01 600.3346850 MHz
 SI 32768
 SF 600.3300117 MHz
 MDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

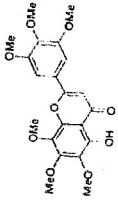
1H IN CDCL3
 AVANCE-600





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Catalog No.: G-001
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 AVANCE-600

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