



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: 021120S

Product Name: **ISORHAMNETIN with HPLC**
(3,5,7,4'-Tetrahydroxy-3'-methoxyflavone)

Cas Number: [480-19-3]

Lot Number: 06020905

Chemical Formula: C₁₆H₁₂O₇

Molecular Weight: 316.27

Melting Point: >290°C

Appearance: Fluorescent yellow powder

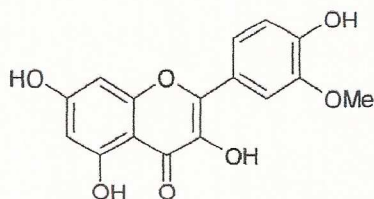
Solubility: Soluble in DMSO

TLC: Chloroform : Methanol (9:1)

NMR Spectrum: Enclosed (Confirms to the structure)

Storage: Store in cool dark and dry place. Protect from light.

Purity(HPLC): 99.05%

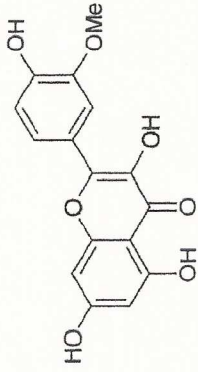




INDOFINE Chemical Company, Inc.

121 Stryker Lane, Bldg. 30, Suite 1
Hillsborough, NJ 08844

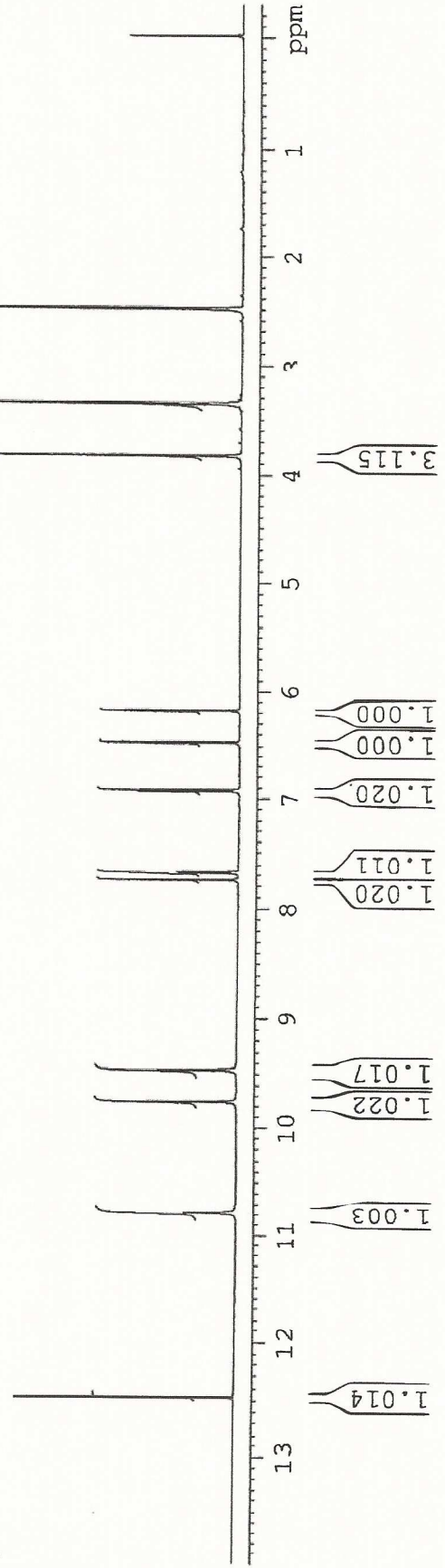
Catalog No.: 021120S
Product name: Isorhamnetin with HPLC
Lot No.: 06020905



ICC-APR-45
1H IN DMSO
AVANCE-600

SOLVENT DMSO
 NS 16
 DS 0
 SMH 9803.922 Hz
 FIDRES 0.326819 Hz
 AQ 1.5299480 sec
 RG 22.6
 DW 51.000 usec
 DE 6.00 usec
 TE 298.2 K
 D1 1.50000000 sec
 TD0 1

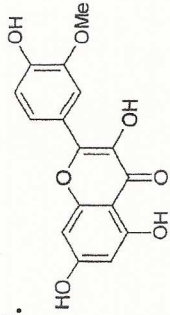
===== CHANNEL f1 =====
 NUC1 1H
 P1 7.50 usec
 PL1 2.60 dB
 P1W 6.62584448 W
 SF01 600.3345228 MHz
 SF 32768
 SF 600.3300112 MHz
 MDW EM
 SSE 0
 LB 0.30 Hz
 GB 0
 PC 1.00





INDOFINE Chemical Company, Inc.

121 Stryker Lane, Bldg. 30, Suite 1
Hillsborough, NJ 08844



Catalog No.: 021120S
Product name: Isorhamnetin with HPLC
Lot No.: 06020905

ICC-APR-45
1H IN DMSO
AVANCE-600

SOLVENT	DMSO
NS	16
DS	0
SWH	9803.922 Hz
FIDRES	0.326819 Hz
AQ	1.5299480 sec
RG	22.6
DW	51.000 usec
DE	6.00 usec
TE	298.2 K
D1	1.50000000 sec
TDO	1

```

===== CHANNEL f1 =====
NUC1      1H
P1        7.50 usec
PL1       2.60 dB
PL1W      6.62584448 W
SF01      600.3345228 MHz
SI        32768
SF        600.3300112 MHz
WDW       EM
SSB       0
LB        0.30 Hz
GB        0
PC        1.00

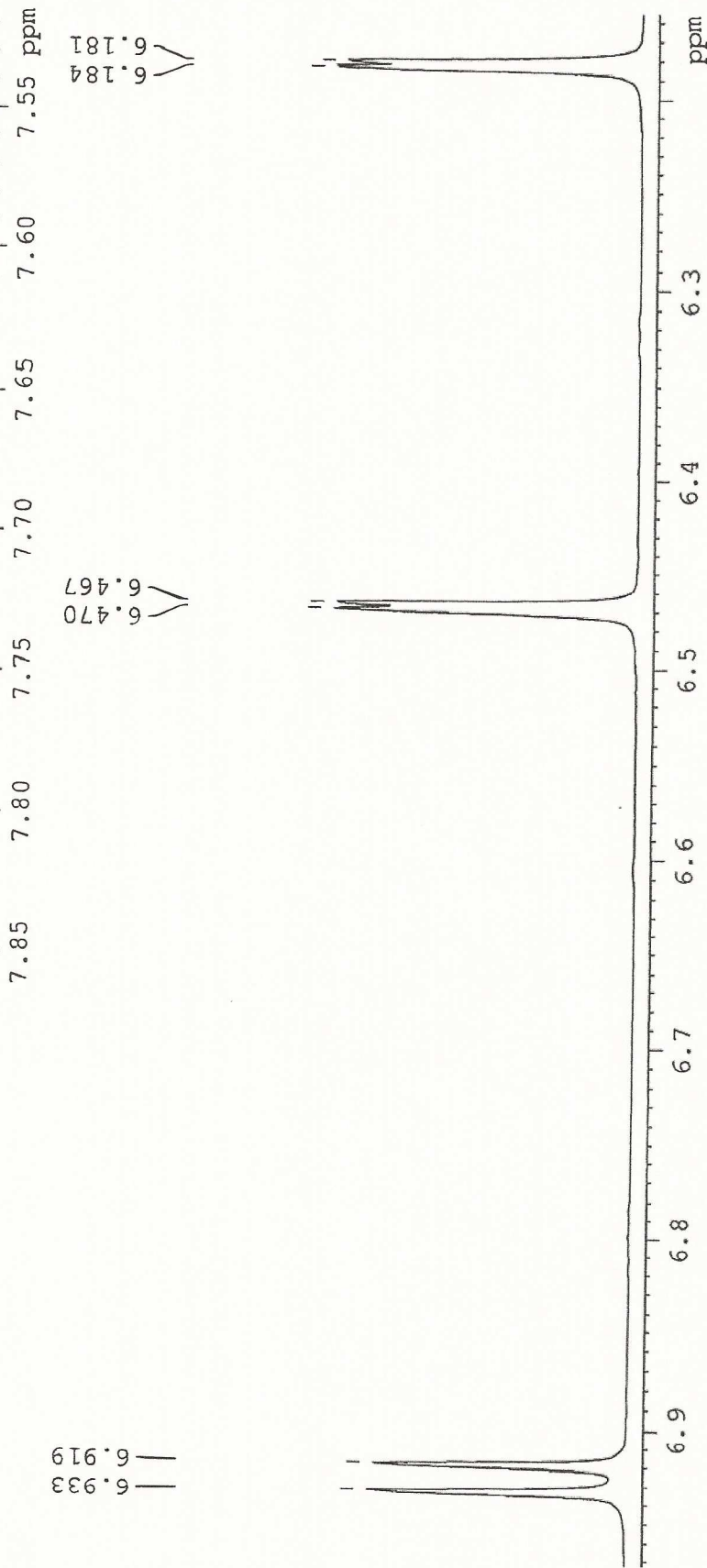
```

7.743
7.740
7.687
7.684
7.673
7.670

6.933
6.919

6.470
6.467

6.184
6.181





INDOFINE Chemical Company, Inc.

121 Stryker Lane, Bldg. 30, Suite 1 • Hillsborough, NJ 08844 • U.S.A.

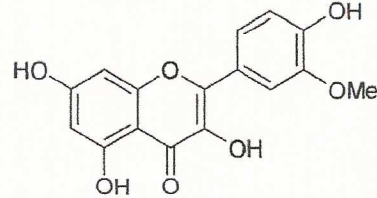
Phone: (908) 359-6778 • Fax: (908) 359-1179

Website: www.indofinechemical.com

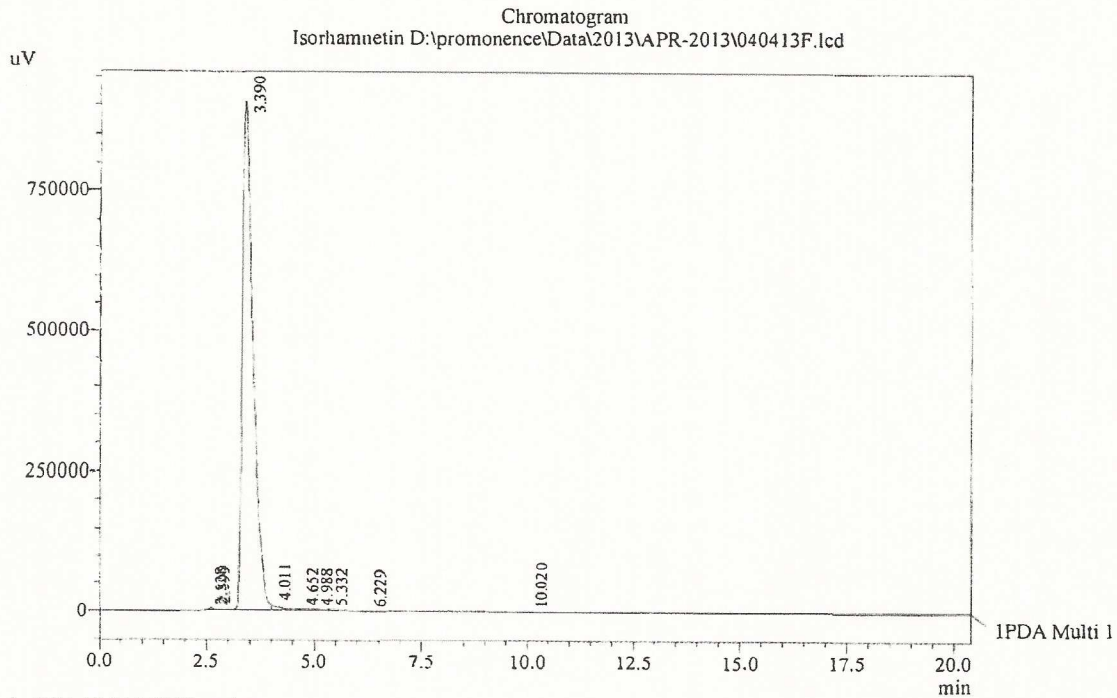
E-mail: chemical@indofinechemical.com

HPLC ANALYSIS

Acquired by : Sanjeev
 Sample Name : Isorhamnetin
 Sample ID : Lot No:-06020905
 Injection Volume : 20 uL
 Data Filename : 040413F.lcd
 Method Filename : Linear Isocratic.M.lcm
 Column : LUNA C-18(2), (250mm x4.6mm 5.0µ)
 Flow : 1.000 mL/min.
 Mobile Phase : A(30% of Water) B(70% of Acetonitrile)
 Diluent : Methanol



Catalog No.: 021120S
 Product name: Isorhamnetin with HPLC
 Lot No.: 06020905



1 PDA Multi 1 / 254nm 4nm

PeakTable

PDA Ch1 254nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:2.528	2.528	7212	0.05	0.75
2	RT:2.599	2.599	19125	0.12	0.77
3	Isorhamnetin	3.390	15394729	99.05	1.00
4	RT:4.011	4.011	95778	0.62	1.18
5	RT:4.652	4.652	6897	0.04	1.37
6	RT:4.988	4.988	2238	0.01	1.47
7	RT:5.332	5.332	5040	0.03	1.57
8	RT:6.229	6.229	8156	0.05	1.84
9	RT:10.020	10.020	2887	0.02	2.96
Total			15542064	100.00	