



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.: 06-017

Product: **HESPERIDIN**
(Hesperetin-7-O-rutinoside)

CAS Number: [520-26-3]

Lot Number: 0406216

Chemical Formula: $C_{28}H_{34}O_{15}$

Molecular Weight: 610.57

Melting Point: 246-248.5°C

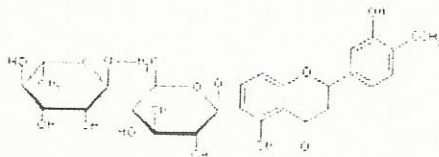
Appearance: Cream colored powder

Solubility: Soluble in DMF

TLC: Chloroform:Methanol (1:1)

Storage: Cool dry place

Purity: 96.41%





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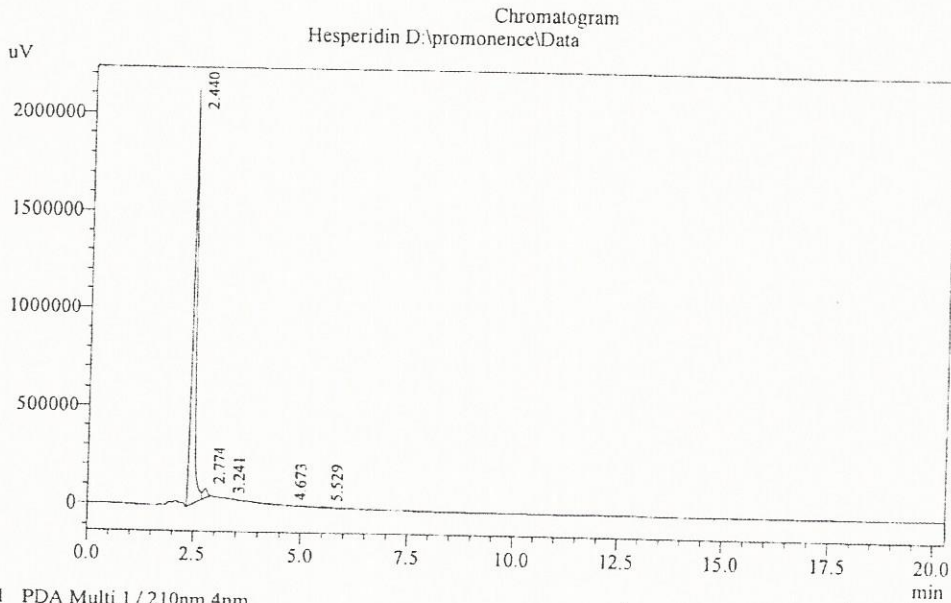
e-mail: chemical@indofinechemical.com

HPLC ANALYSIS

Acquired by : Admin
 Sample Name : Hesperidin
 Sample ID : Lot no.: 0406216
 Injection Volume : 20 uL
 Data Filename : 251111A.lcd
 Method Filename : Linear Isocratic.M.lcm

Cat. No.: 06-017
 Product name: Hesperidin
 Lot No.: 0406216

Column : LUNA C-18(2), (250mm x4.6mm 5.0μ)
 Flow : 1.000 mL/min.
 Mobile Phase : A(50% of 0.05% TFA in water) B(50% of Acetonitrile)



1 PDA Multi 1 / 210nm 4nm

IPDA Multi 1

PeakTable

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:2.440	2.440	11120279	96.41	1.00
2	RT:2.774	2.774	366969	3.18	1.14
3	RT:3.241	3.241	6202	0.05	1.33
4	RT:4.673	4.673	10231	0.09	1.92
5	RT:5.529	5.529	30596	0.27	2.27
Total			11534278	100.00	

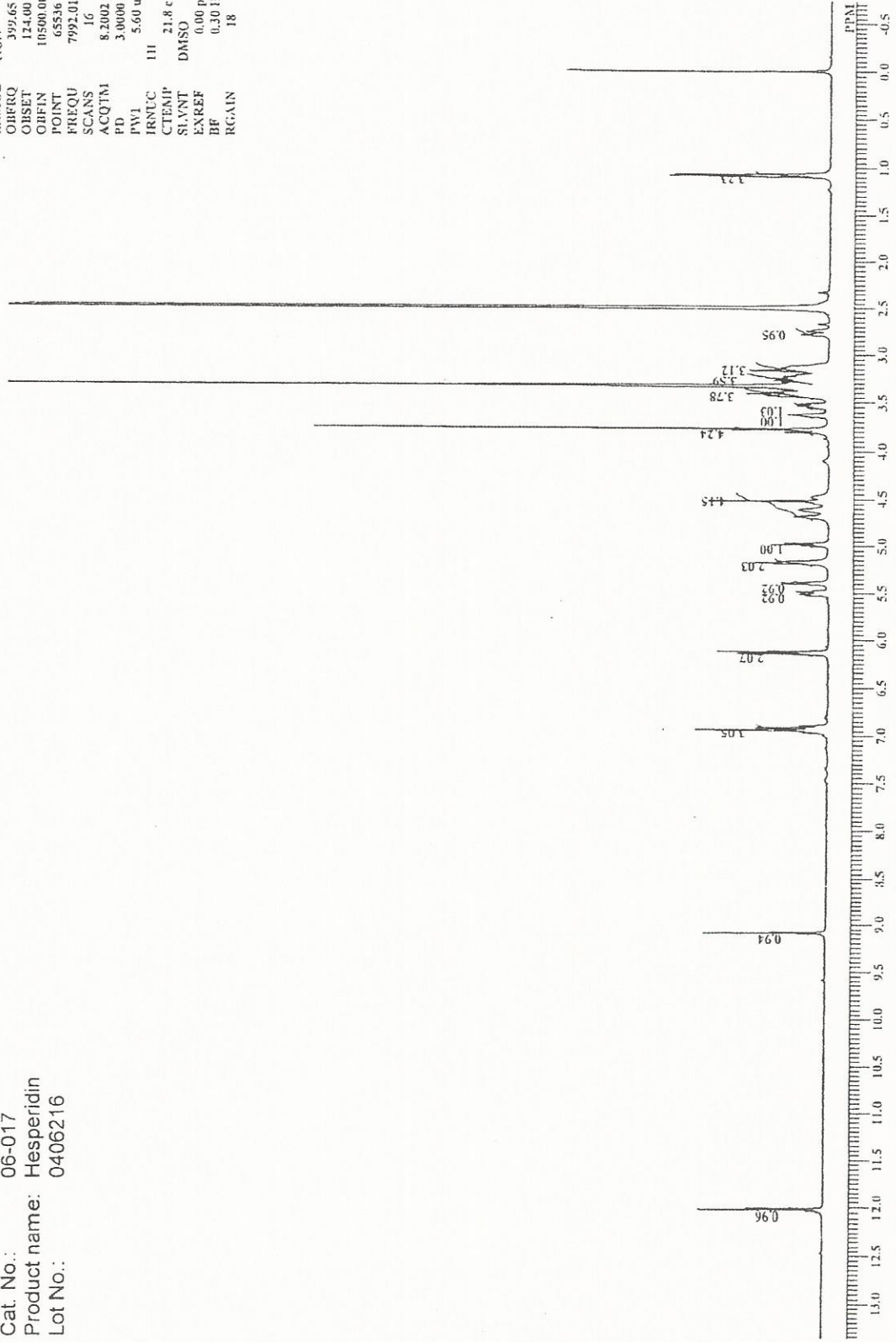


INDOFINE Chemical Company, Inc.
121 STRYKER LANE
BLDG. 30, SUITE 1
HILLSBOROUGH, NJ 08844

IPC-5 1H NMR DMSO-D6

Cat. No.: 06-017
Product name: Hesperidin
Lot No.: 0406216

DFILE IPC-5.ab
COMINT IPC-5 1H NMR DMSO-D6
OBNUC 1H
EXMOD NON
OBFRQ 399.65 MHz
OBSET 124.00 KHz
ORFIN 10500.00 Hz
POINT 65536
FREQU 7992.01 Hz
SCANS 16
ACQTM 8.2002 sec
PD 3.0000 sec
PW1 5.60 usec
IRNUC 1H
CTEMP 21.8 c
SLVNT DMSO
EXREF 0.00 ppm
BF 0.30 Hz
RGAIN 18



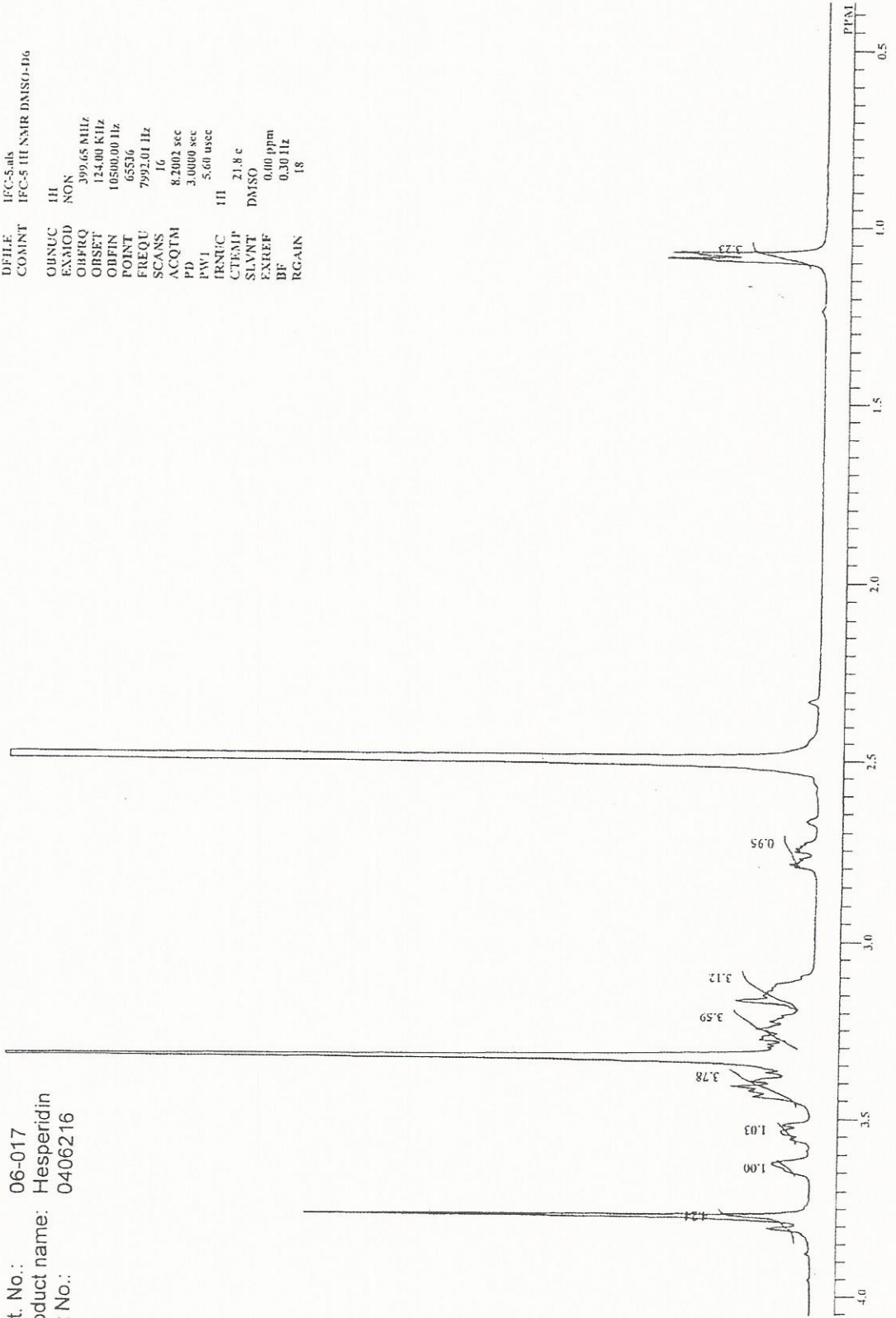


INDOFINE Chemical Company, Inc.
121 STRYKER LANE
BLDG. 30, SUITE 1
HILLSBOROUGH, NJ 08844

IFC-5 III NMR DMSO-D6

Cat. No.: 06-017
Product name: Hesperidin
Lot No.: 0406216

DEFILE IFC-5.als
COMINT IFC-5 III NMR DMSO-D6
NUC H
EXMOD NON
OBPRQ 399.65 MHz
OBSET 124.00 kHz
OBFIN 10500.00 Hz
POINT 65536
FREQU 7992.01 Hz
SCANS 16
ACQTM 8.2002 sec
PD 3.0000 sec
PWI 5.60 usec
IRNHC III
CTEMP 21.8 c
SLVNT DMSO
EXREF 0.00 ppm
DF 0.30 Hz
RGAIN 18





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

1FC-5 1H1 NMR DMSO-D6

Cat. No.: 06-017
Product name: Hesperidin
Lot No.: 0406216

DFILE 1FC-5.ub
COMENT 1FC-5 1H1 NMR DMSO-D6
OBNUC 1H
EXMOD NON
OHPRQ 399.65 MHz
OHSET 124.00 KHz
OBTIN 10500.00 Hz
POINT 65536
FREQU 7992.01 Hz
SCANS 16
AQTM 8.2002 sec
PD 3.0000 sec
PWI 5.60 usec
IRNUC 1H
CTEMP 21.8 c
SLVNT DMSO
EXREF 0.00 ppm
BF 0.30 Hz
RGAIN 18

