

# **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](http://www.indofinechemical.com)

e-mail: [chemical@indofinechemical.com](mailto: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

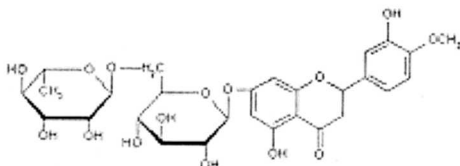
Appearance: Cream colored powder

Solubility: Soluble in DMF

TLC: Chloroform:Methanol (1:1)

Storage: Cool dry place

Purity: 96.41%





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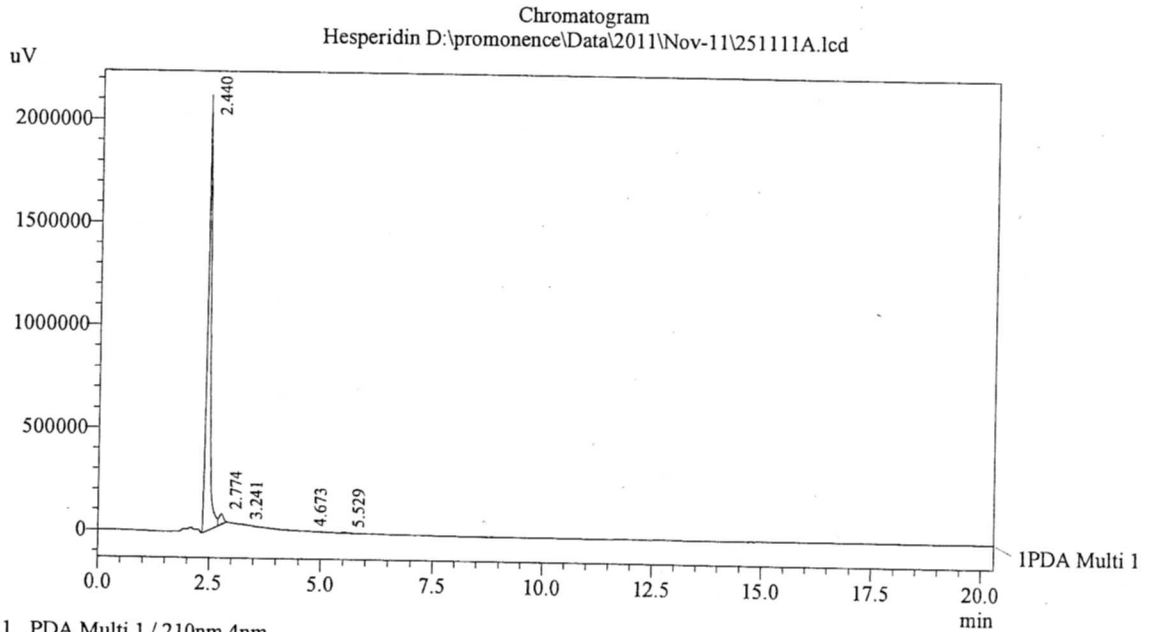
e-mail: [chemical@indofinechemical.com](mailto:chemical@indofinechemical.com)

## HPLC ANALYSIS

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

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

Date Acquired : 11/25/2011 11:41:30 AM  
Data Processed : 11/26/2011 10:50:13 AM  
Column : LUNA C-18(2), (250mm x4.6mm 5.0 $\mu$ )  
Flow : 1.000 mL/min.  
Mobile Phase : A(50% of 0.05% TFA in water) B(50% of Acetonitrile)



PeakTable

PDA Ch1 210nm 4nm

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	



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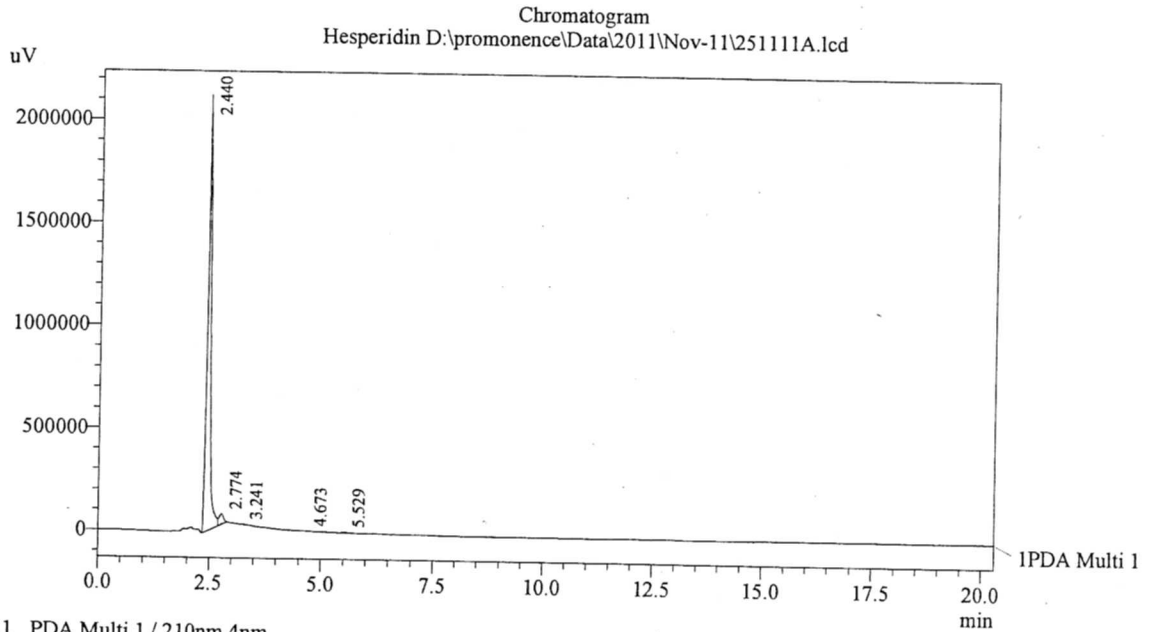
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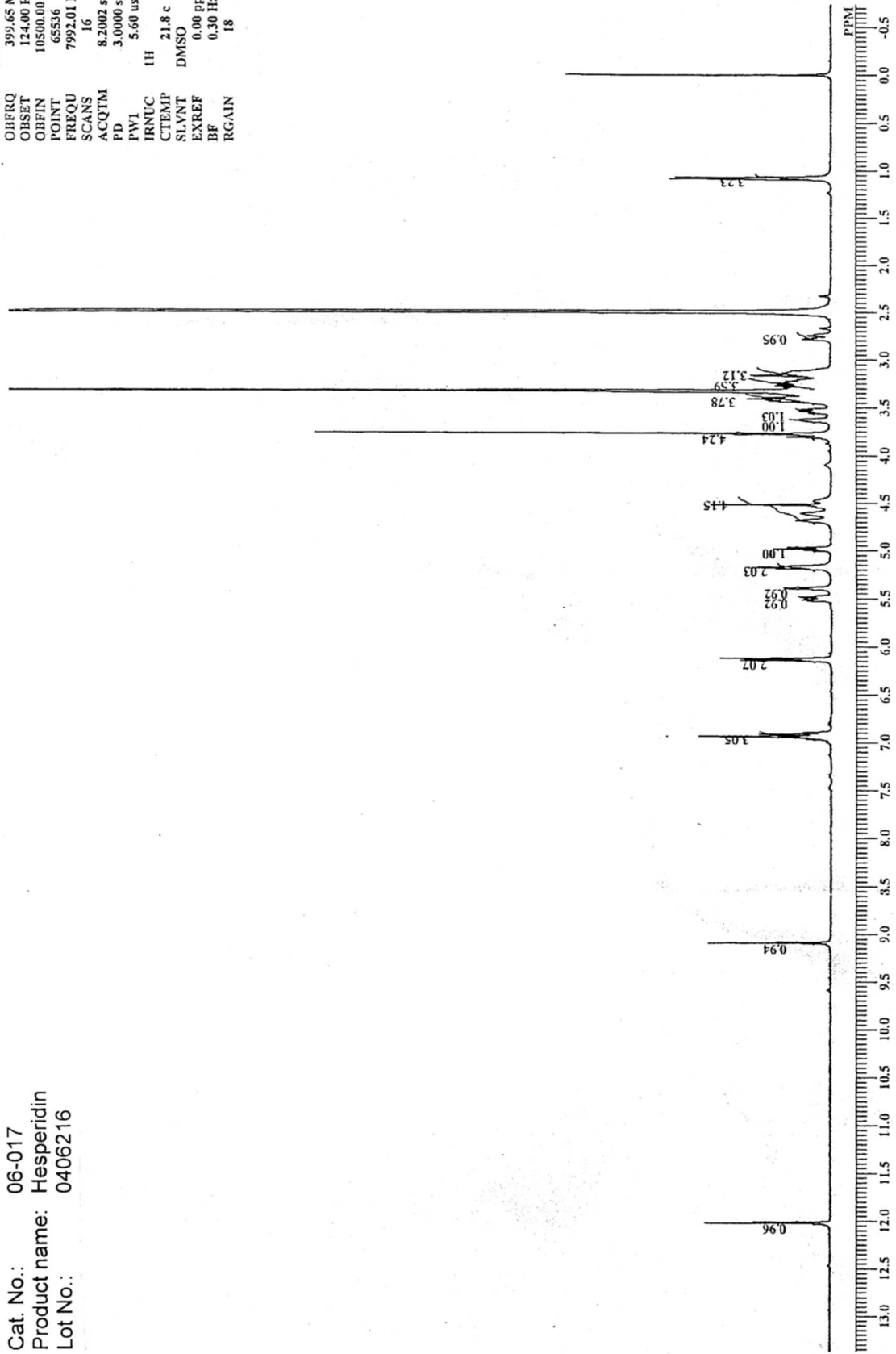


**INDOFINE Chemical Company, Inc.**  
121 STRYKER LANE  
BLDG. 30, SUITE 1  
HILLSBOROUGH, NJ 08844

IFC-5 1H NMR DMSO-D6

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

DFILE IFC-5.als  
COMNT IFC-5 1H NMR DMSO-D6  
DATIM Tue Nov 22 20:37:56 2011  
OBNUC 1H  
EXMOD NON  
OBFRO 399.65 MHz  
OBSFT 124.00 KHz  
OBFIN 10500.00 Hz  
POINT 65536  
FREQU 7992.01 Hz  
SCANS 16  
ACQTM 8.2002 sec  
PD 3.0000 sec  
PW1 5.60 uscc  
IRNUC 1H  
CTEMP 21.8 c  
SLVNT DMSO  
EXREF 0.00 ppm  
BF 0.30 Hz  
RGAIN 18



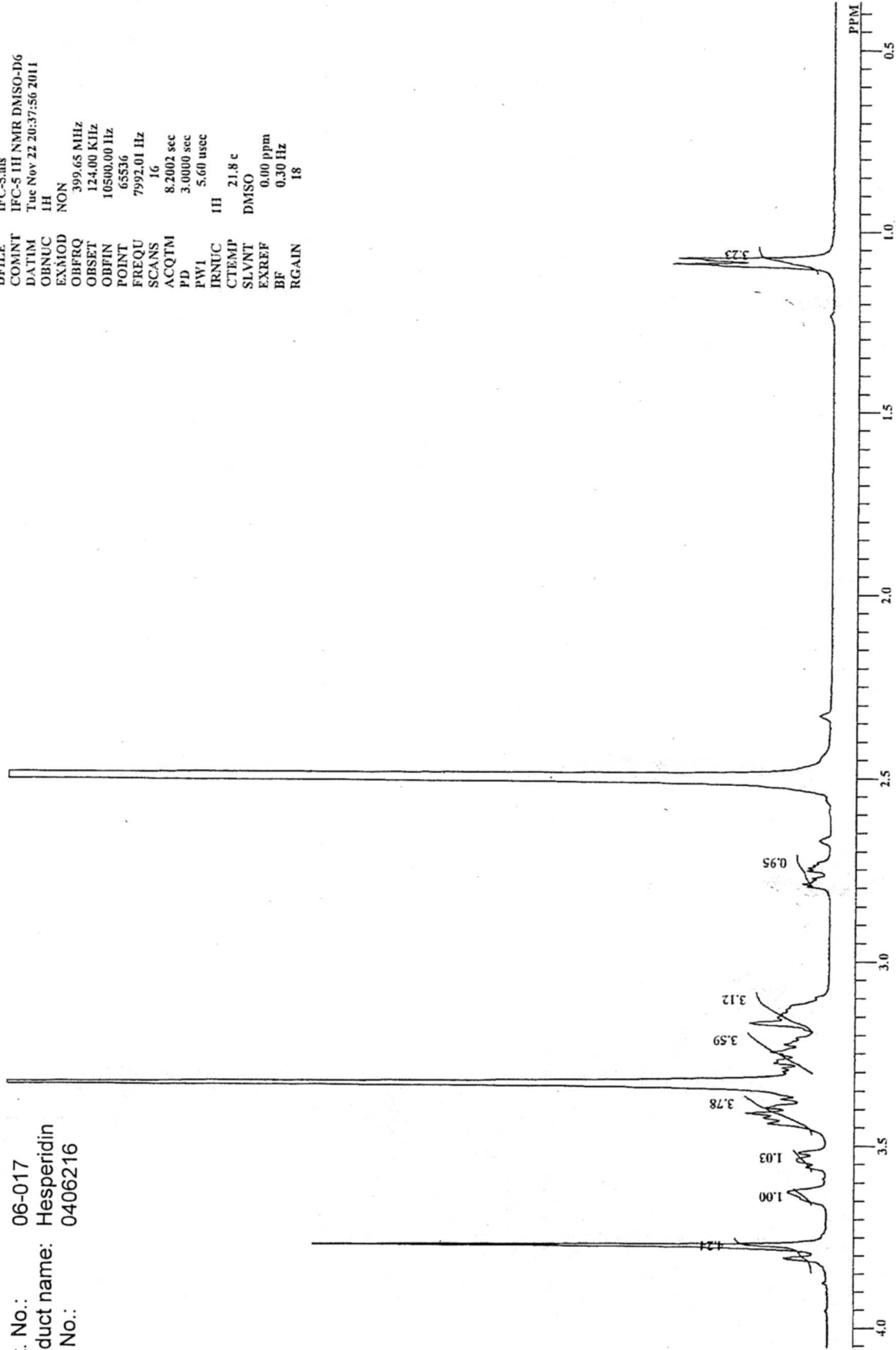


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