

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: 06-017

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

CAS Number: [520-26-3]

Lot Number: A-2510

Chemical Formula: C₂₈H₃₄O₁₅

Molecular Weight: 610.57

Melting Point: 247-252°C

Appearance: Cream powder

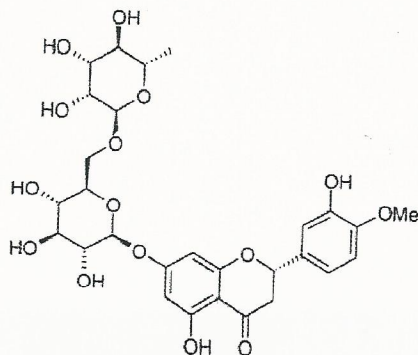
Solubility: Soluble in DMSO

TLC: Chloroform:Methanol (1:1)

NMR Spectrum: Enclosed (conforms to the structure)

Storage: Store in a cool, dry place

Purity(HPLC): 98.04%





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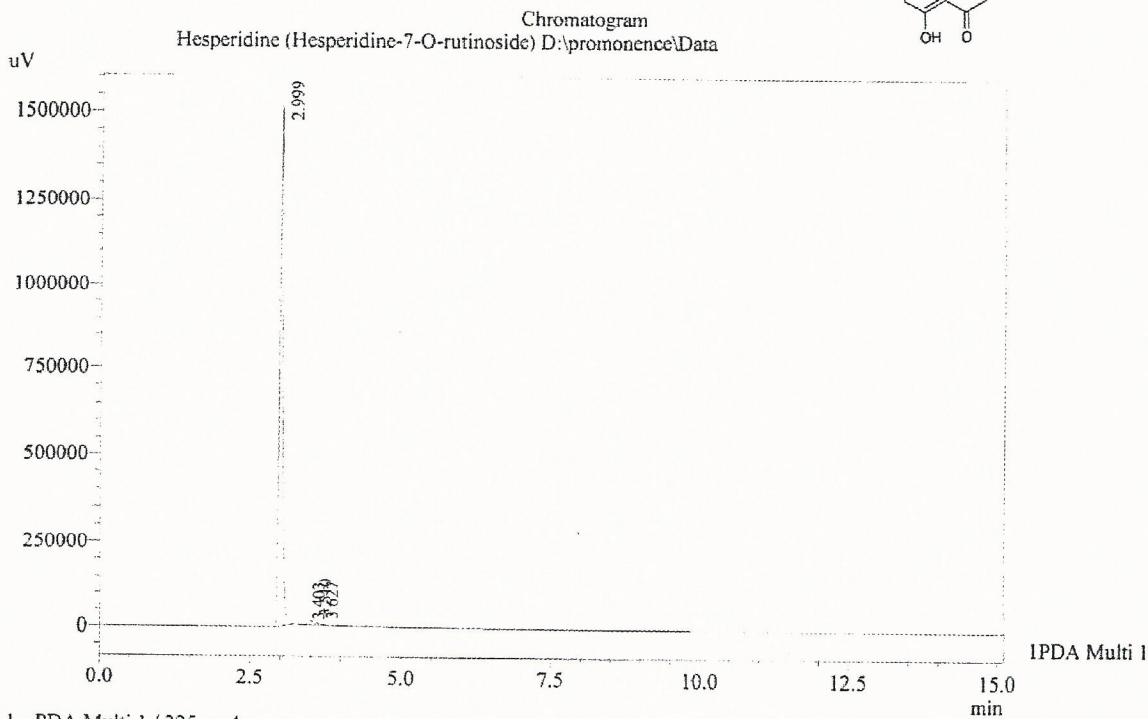
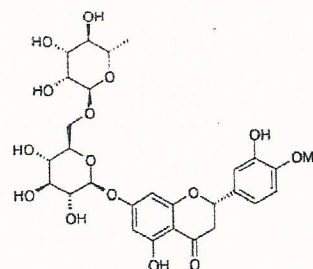
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HPLC ANALYSIS

Acquired by : Sanjeev
Sample Name : Hesperidine (Hesperidine-7-O-rutinoside)
Sample ID : Lot No:A-2510
Injection Volume : 20 uL
Data Filename : 200614F.lcd
Method Filename : Linear Isocratic.M.lcm

Catalog No.: 06-017
Product Name: Hesperidin
Lot No.: A-2510

Column : Gemini C-18(2), (250mm x4.6mm 5.0µ)
Flow : 1.000 mL/min.
Mobile Phase : 100% of Acetonitrile
Diluent : Methanol



1 PDA Multi 1 / 225nm 4nm

PeakTable

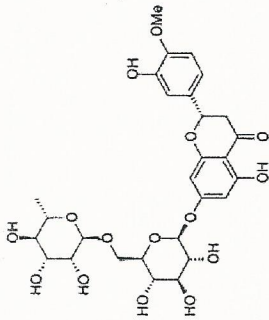
PDA Ch1 225nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	Hesperidine	2.999	6035776	98.04	1.00
2	RT:3.403	3.403	6755	0.11	1.13
3	RT:3.510	3.510	94014	1.53	1.17
4	RT:3.627	3.627	20061	0.33	1.21
Total			6156606	100.00	



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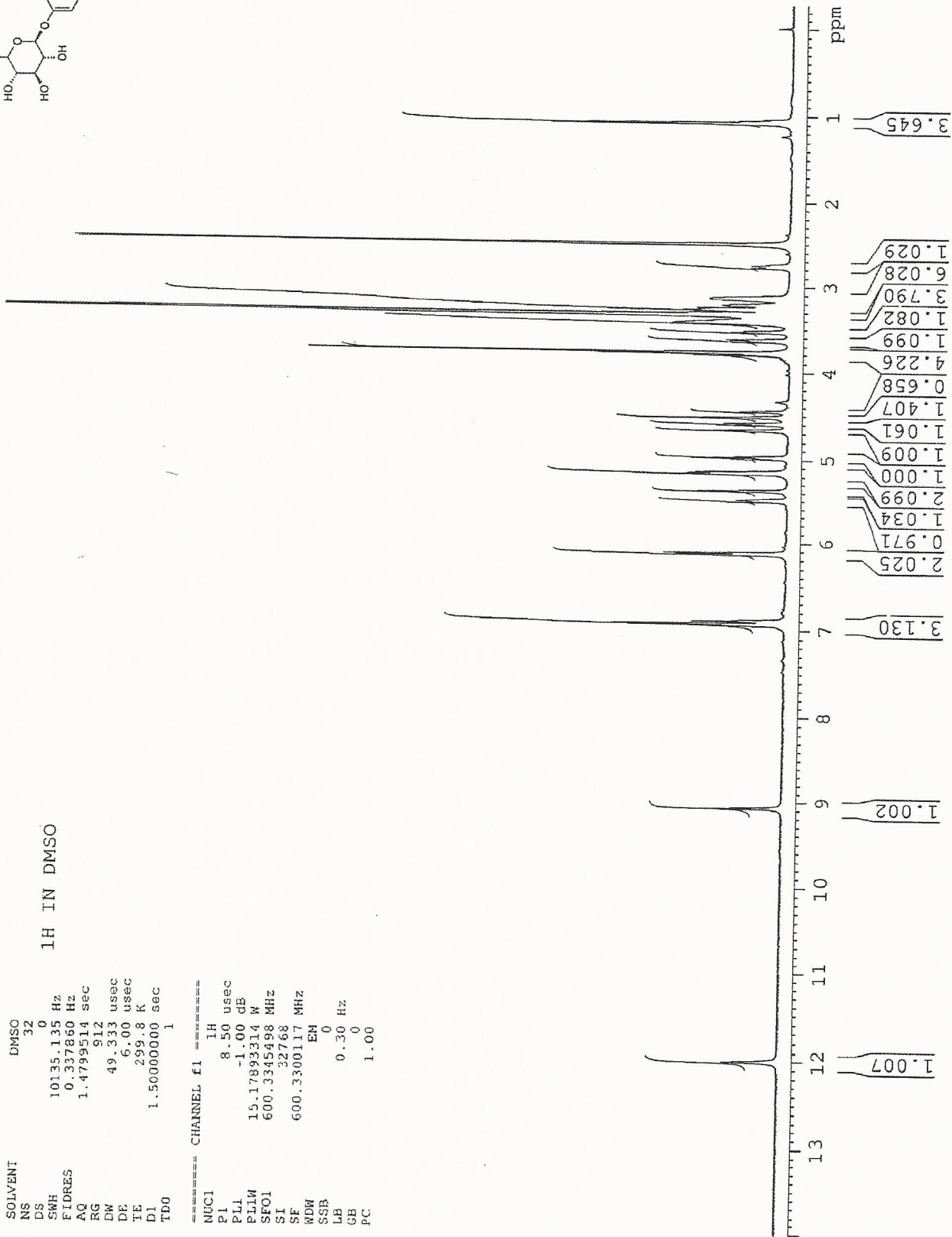
Catalog No.: 06-017
 Product Name: Hesperidin
 Lot No.: A-2510



SOLVENT DMSO
 NS 32
 DS 0
 SWH 10135.135 Hz
 FIDRES 0.337860 Hz
 AQ 1.4799514 sec
 RG S12
 EW 49.333 usec
 DE 6.00 usec
 TE 299.8 K
 D1 1.50000000 sec
 TD0 1

1H IN DMSO

==== CHANNEL #1 =====
 NUC1 1H
 P1 8.50 usec
 PL1 -1.00 dB
 PL1W 15.17893314 W
 SF01 600.3345498 MHz
 SI 32768
 SF 600.3300117 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00





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