



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

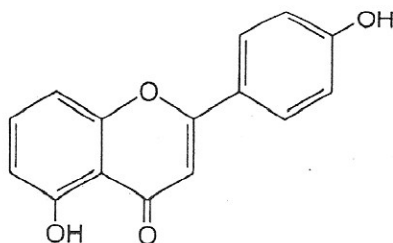
website: www.indofinechemical.com

e-mail: chemical@indofinechemical.com

CERTIFICATE OF ANALYSIS

CAT. No.: D-251

<u>Product Name:</u>	5,4'-DIHYDROXYFLAVONE
<u>CAS Number:</u>	[6665-67-4]
<u>Lot Number:</u>	0407183
<u>Chemical Formula:</u>	C ₁₅ H ₁₀ O ₄
<u>Molecular Weight:</u>	254.25
<u>Melting Point:</u>	247-250°C
<u>Appearance:</u>	Yellow powder
<u>Solubility:</u>	Soluble in DMSO
<u>TLC:</u>	Hexane:ethyl acetate (7:3)
<u>Purity (HPLC):</u>	95.21%





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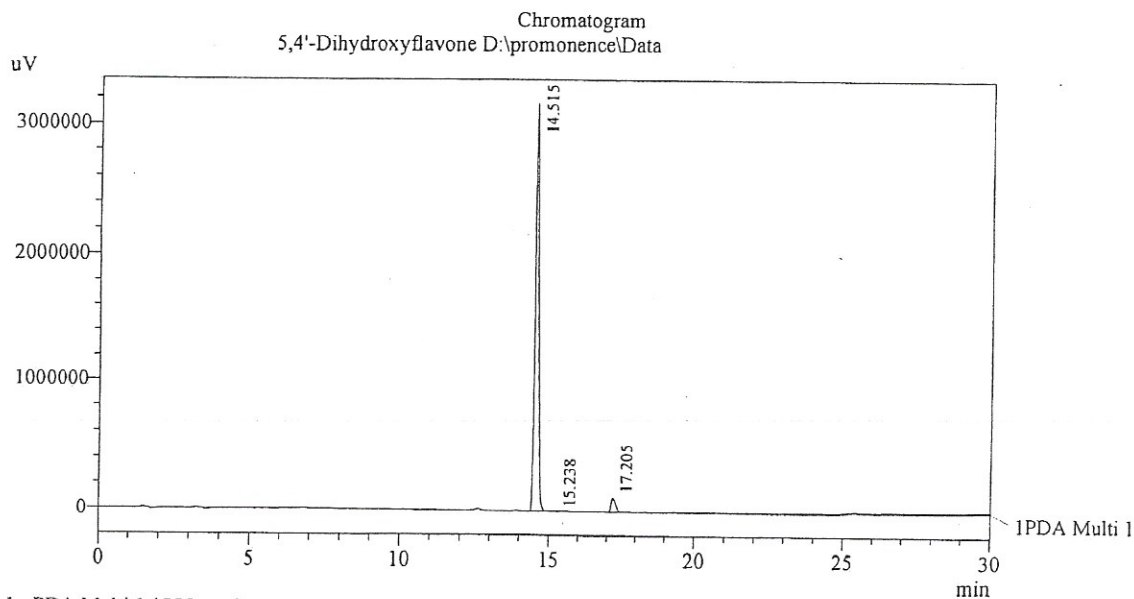
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HPLC ANALYSIS

Acquired by	: Sanjeev	Cat. No.:	D-251
Sample Name	: 5,4'-Dihydroxyflavone	Product name:	5,4'-Dihydroxyflavone
Sample ID	: Lot No:- 0407183	Lot No.:	0407183
Injection Volume	: 20 uL		
Data Filename	: 1512111.lcd		
Method Filename	: Linear Gradient.M.lcm		

Column	: LUNA C-18(2), (250mm x4.6mm 5.0μ)
Flow	: 1.000 mL/min.
Mobile Phase	: A(0.05% TFA in water) B(Acetonitrile)
	0.01 90 10
	12.0 10 90
	20.0 10 90
	25.0 90 10
	30.0 90 10



PeakTable

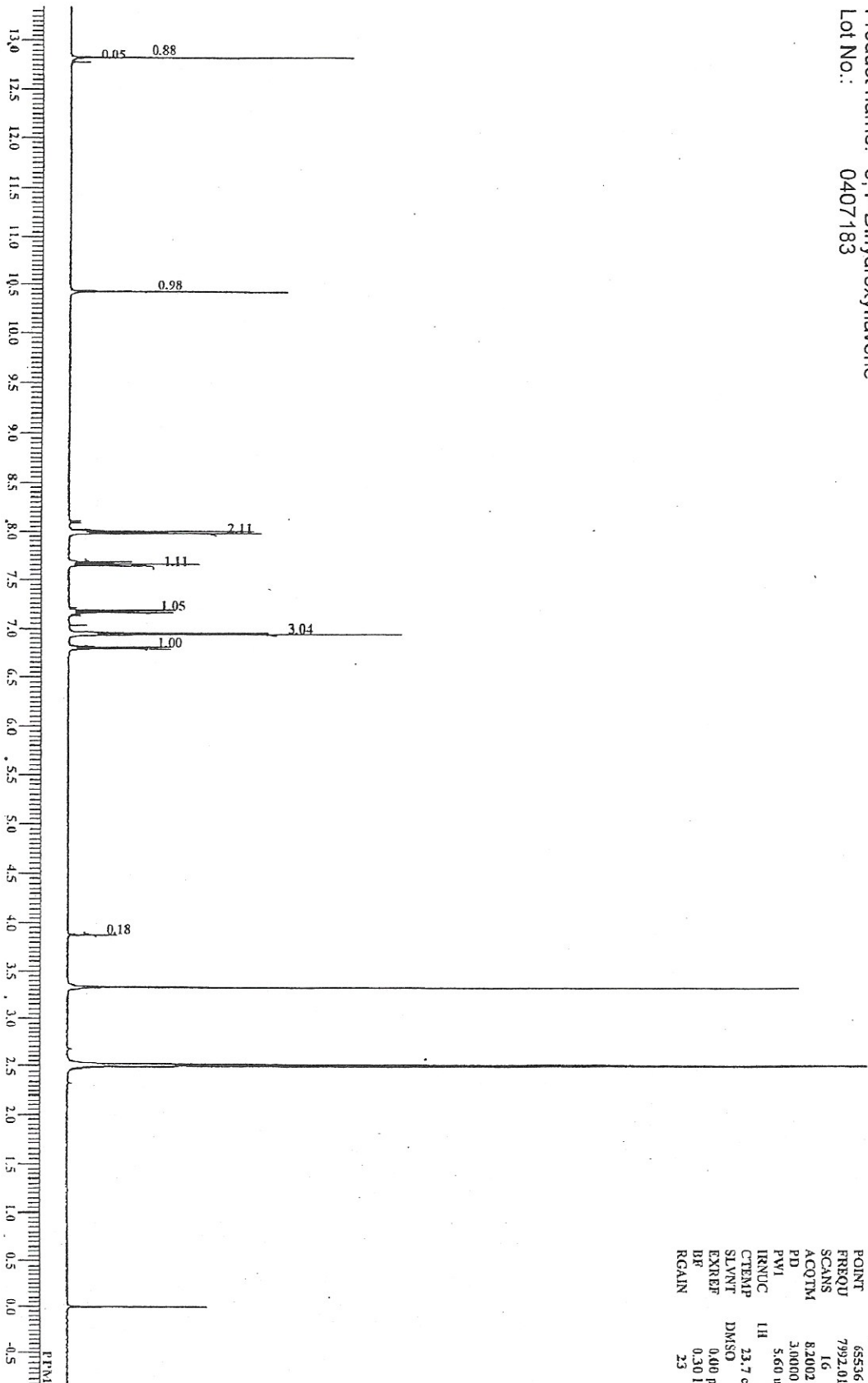
PDA Ch1 230nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:14.515	14.515	26800628	95.21	1.00
2	RT:15.238	15.238	9020	0.03	1.05
3	RT:17.205	17.205	1340707	4.76	1.19
Total			28150355	100.00	



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121 STRYKER LANE
BLDG. 30, SUITE 1
HILLSBOROUGH, NJ 08844

ICG-5 1H NMR DMSO-D6
Cat. No.: D-251
Product name: 5,4'-Dihydroxyflavone
Lot No.: 0407183



DPLE ICG-5.a15
COMNT ICG-5 1H NMR DMSO-D6
ORNUC 1H
EXM0D NON
OBERQ 399.65 MHz
OBSRT 14.00 KHz
OBERN 16590.00 Hz
POINT 65536
FREQU 7992.01 Hz
SCANS 16
ACQTM 82002 sec
PD 3.0000 sec
PVI 5.60 usec
IRNUC 1H
CTEMP 23.7 c
SLVNT DMSO
EXREF 0.00 ppm
BR 0.30 Hz
RGAIN 23



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HILLSBOROUGH, NJ 08844

ICG-5 1H NMR DMSO-D6

Cat. No.: D-251
Product name: 5,4'-Dihydroxyflavone
Lot No.: 0407183

DFILE ICG-5-als
COMNT ICG-5 1H NMR DMSO-D6
OBNJC 1H
EXMOD NON
OBRFQ 399.65 MHz
OBSRT 124.00 KHz
OBRIN 10500.00 Hz
POINT 65536
FREQU 7992.01 Hz
SCANS 16
ACQTM 8.2002 sec
PD 3.0000 sec
PWI 5.60 usec
IRNUC 1H
CTEMP 23.7 c
SLVNT DMSO
EXREF 0.00 ppm
BF 0.30 Hz
RGAIN 23

