



# 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.: 06-001

Product: **PUERARIN**  
(Daidzein-8-C-glucoside; 7,4'-Dihydroxy-8-C-glucosylisoflavone)

CAS Number: [3681-99-0]

Lot Number: 0403060

Chemical Formula: C<sub>21</sub>H<sub>20</sub>O<sub>9</sub>

Molecular Weight: 416.38

Melting Point: 207-209.5°C

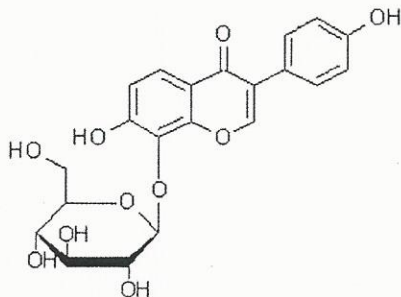
Appearance: White powder

Solubility: Soluble in DMSO

TLC: Chloroform:Methanol (1:1)

Storage: Cool dry place

Purity: 99.04%





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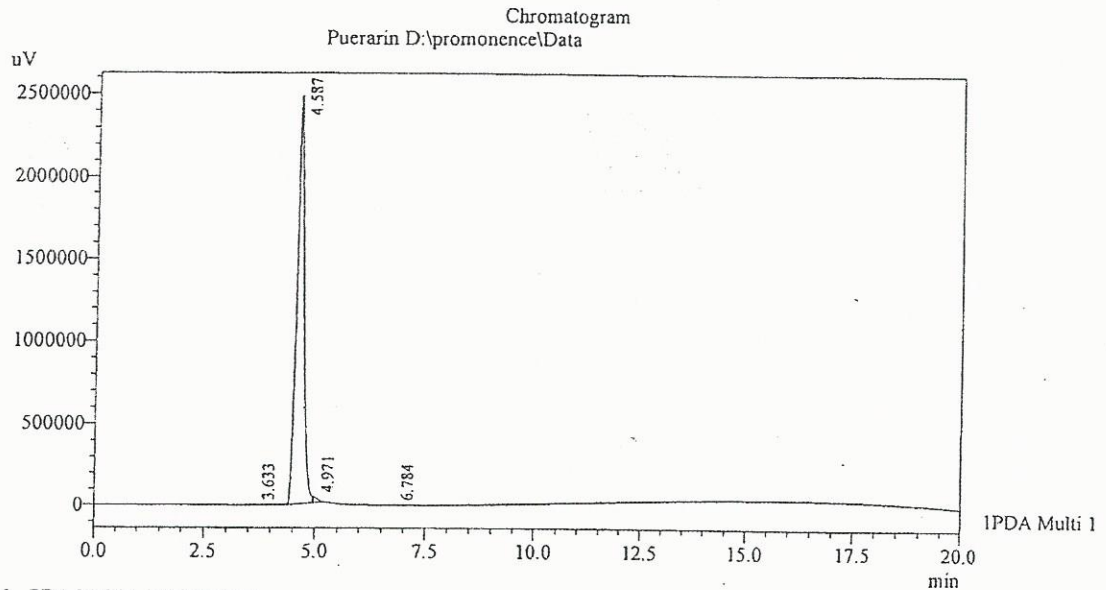
e-mail: [chemical@indofinechemical.com](mailto:chemical@indofinechemical.com)

## HPLC ANALYSIS

Acquired by : Admin  
Sample Name : Puerarin  
Sample ID : Lot No:- 0403060  
Injection Volume : 20 uL  
Data Filename : 221111L.lcd  
Method Filename : Linear Isocratic.M.lcm

Cat. No.: 06-001  
Product name: Puerarin  
Lot No.: 0403060

Column : LUNA C-18(2), (250mm x4.6mm 5.0 $\mu$ )  
Flow : 0.500 mL/min.  
Mobile Phase : A(50% of 0.05% TFA in water) B(50% of Acetonitrile)



PeakTable

PDA Ch1 230nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:3.633	3.633	26752	0.10	0.79
2	RT:4.587	4.587	27289397	99.04	1.00
3	RT:4.971	4.971	233065	0.85	1.08
4	RT:6.784	6.784	4161	0.02	1.48
Total			27553374	100.00	

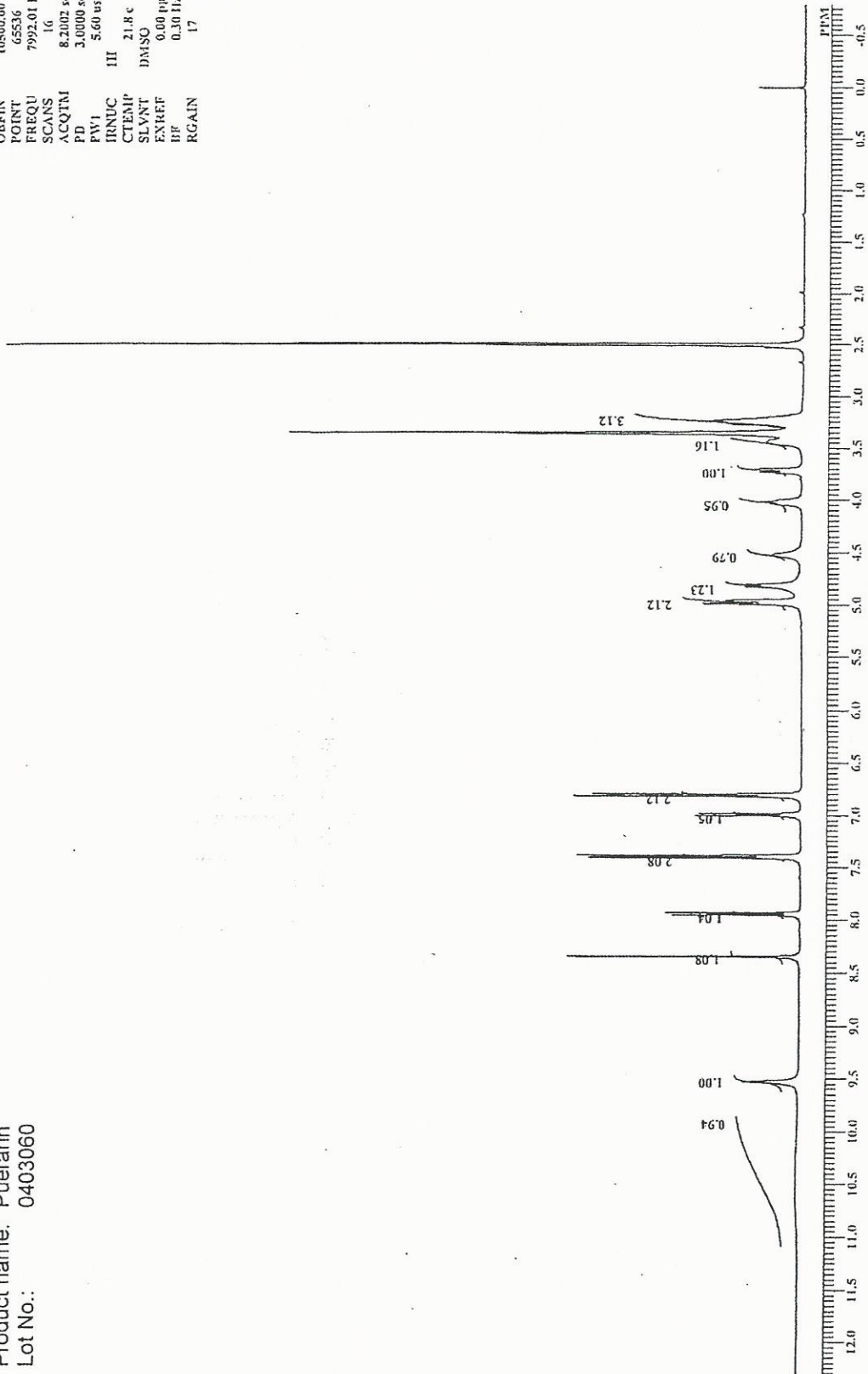


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121 STRYKER LANE  
BLDG. 30, SUITE 1  
HILLSBOROUGH, NJ 08844

IFC-7 IH NMR DMSO-D6

Cat. No.: 06-001  
Product name: Puerarin  
Lot No.: 0403060

OBNUC IH  
EXMOD NON  
OBFRQ 399.65 MHz  
OBSET 124.00 kHz  
OBFIN 10560.00 Hz  
POINT 65536  
FREQU 7992.01 Hz  
SCANS 16  
ACQTM 8.2002 sec  
PD 3.0000 sec  
PVI 5.60 usec  
IRNUC IH  
CTEMP 21.8 c  
SLVNT DMSO  
EXREF 0.00 ppm  
HF 0.30 Hz  
RGAIN 17



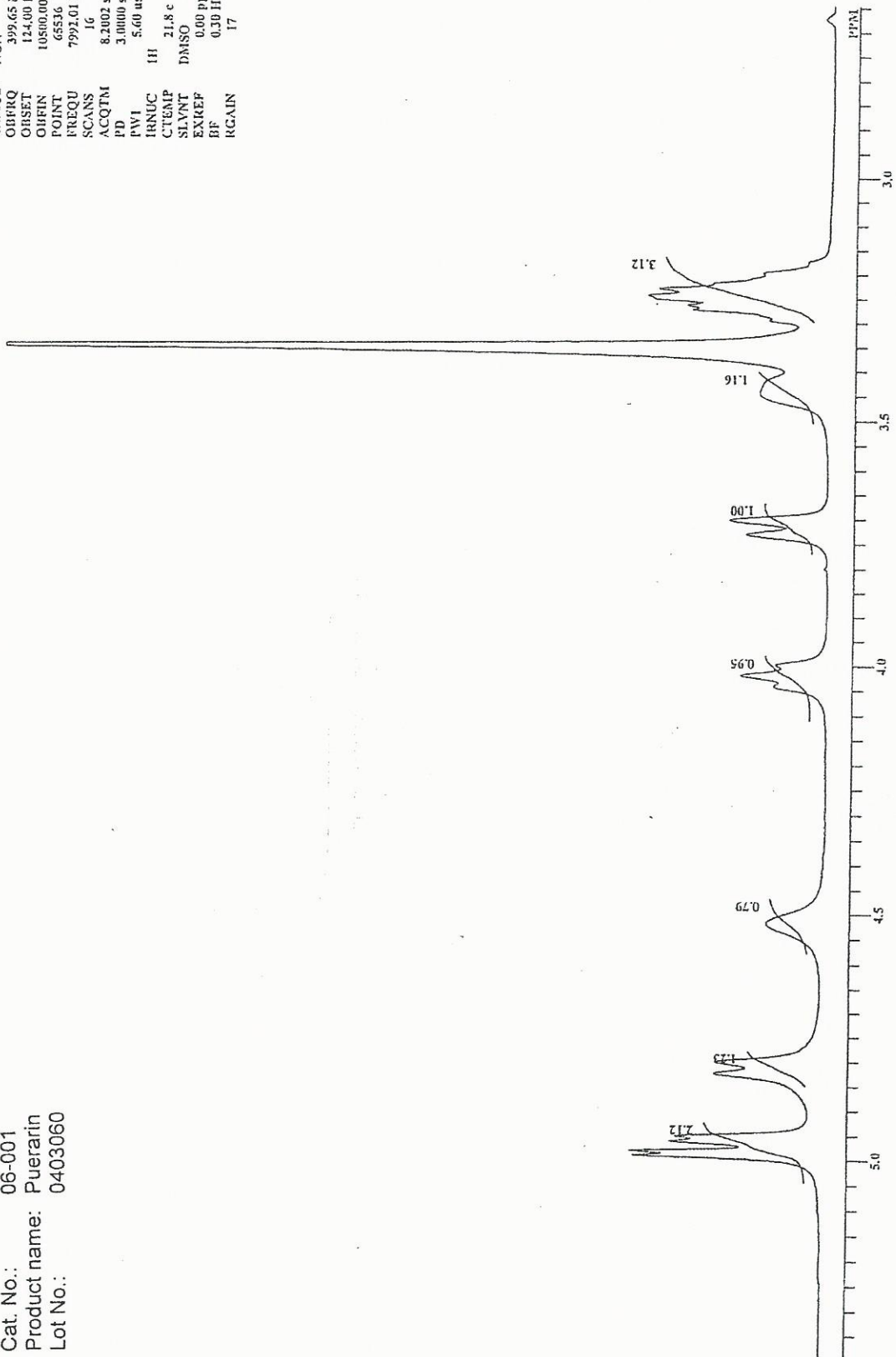


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IFC-7 H<sup>1</sup> NMR DMSO-D<sub>6</sub>

Cat. No.: 06-001  
Product name: Puerarin  
Lot No.: 0403060

OHNUC 1H  
EXMOD NON  
OBFRQ 399.65 MHz  
OHSET 124.00 KHz  
OHFIN 10500.00 Hz  
POINT 65536  
FREQU 7992.01 Hz  
SCANS 16  
ACQTM 8.2002 sec  
PD 3.0000 sec  
PVI 5.60 usec  
IRNUC 1H  
CTEMP 21.8 c  
SLVNT DMSO  
EXKEF 0.00 ppm  
BF 0.30 Hz  
RGAIN 17





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JFC-7 1H NMR DMSO-d6

Cat. No.: 06-001  
Product name: Puerarin  
Lot No.: 0403060

ORNUC 1H  
EXMOD NON  
OBFRQ 399.65 MHz  
OBSET 124.00 KHz  
OBFTN 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 21.8 c  
CHEM DMSO  
SLVNT DMSO  
EXREF 0.00 ppm  
BF 0.30 Hz  
RGAIN 17

