

**ICG** **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)

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**CERTIFICATE OF ANALYSIS**

**Cat No.: 06-067**

Product: **QUERCITRIN**  
(Quercetin-3-O-rhamnoside)

Cas Number: [522-12-3]

Lot Number: 1001001

Chemical Formula: C<sub>21</sub>H<sub>20</sub>O<sub>11</sub>

Molecular Weight: 448.38

Melting Point: 177.2-179.3°C

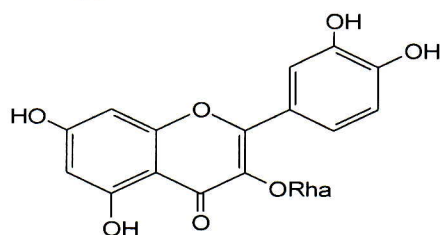
Appearance: Yellow powder

TLC: Chloroform: Methanol (7:3)

Solubility: Soluble in DMF

Storage: Cool dry place

Purity: 98.5%



Test date: February 2010



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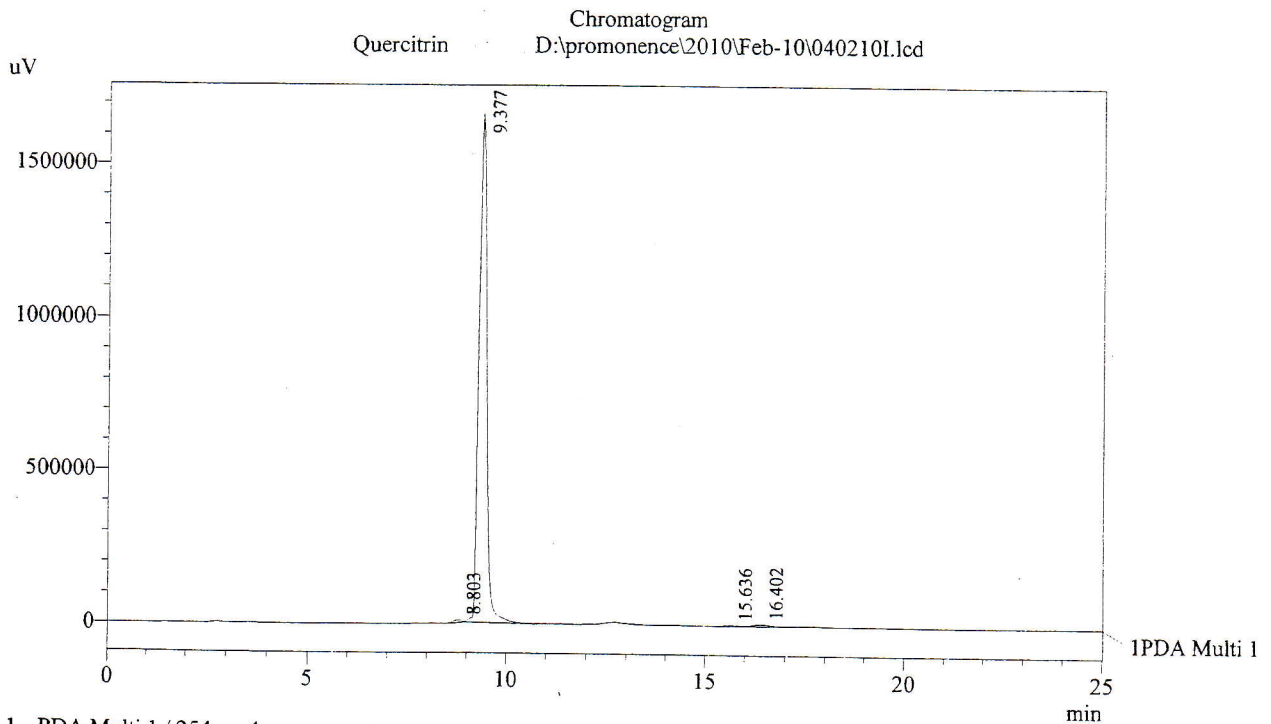
e-mail: [chemical@indofinechemical.com](mailto:chemical@indofinechemical.com)

## HPLC ANALYSIS

Date Acquired	: 2/4/2010 4:44:22 PM	Cat. No.:	06-067
Acquired by	: Madhuri	Product:	Quercitrin
Sample Name	: Quercitrin	Lot No.:	1001001
Sample ID	: Indofine		
Injection Volume	: 20 uL		
Data Filename	: 040210I.lcd		
Method Filename	: Linear Gradient.M.lcm		

Description:

Column	: Inertsil C-18, 250X4.6mm 5.0µm
Flow	: 1.000mL/min.
Mobile Phase	: A(Water 0.05% TFA) : B( ACN)
	00.01 : 90 : 10
	12.00 : 10 : 90
	20.00 : 10 : 90
	23.00 : 90 : 10



1 PDA Multi 1 / 254nm 4nm

Peak Table

PDA Ch1 254nm 4nm

Peak#	Ret. Time	Area	Height	Area %
1	8.803	102259	8592	0.448
2	9.377	22502933	1660451	98.577
3	15.636	50386	2389	0.221
4	16.402	172196	6053	0.754
Total		22827774	1677484	100.000