



# 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

Catalog Number: 020053

Product Name: **LUTEOLIN-7-O-GLUCOSIDE**  
(Luteoloside; Cinaroside; Cynaroside; Glucoluteolin)

CAS Number: [5373-11-5]

Lot Number: 2308834

Chemical Formula:  $C_{21}H_{20}O_{11}$

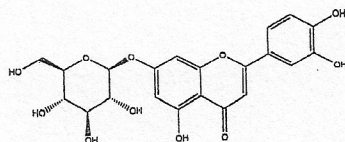
Molecular Weight: 448.38

Appearance: Yellow powder

Water Content: 0.4%

Storage: Store in a cool, dry place. Protect from light.

Purity(HPLC): 98.3%



Prepared by:  
*Ramesh Mandadi*  
Ramesh Mandadi  
Director of Operations

Reviewed and Approved by:  
*Sujata Moton*  
Sujata Moton  
VP



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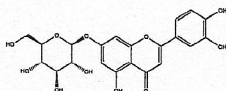
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## HPLC ANALYSIS



Catalog No.: 020053

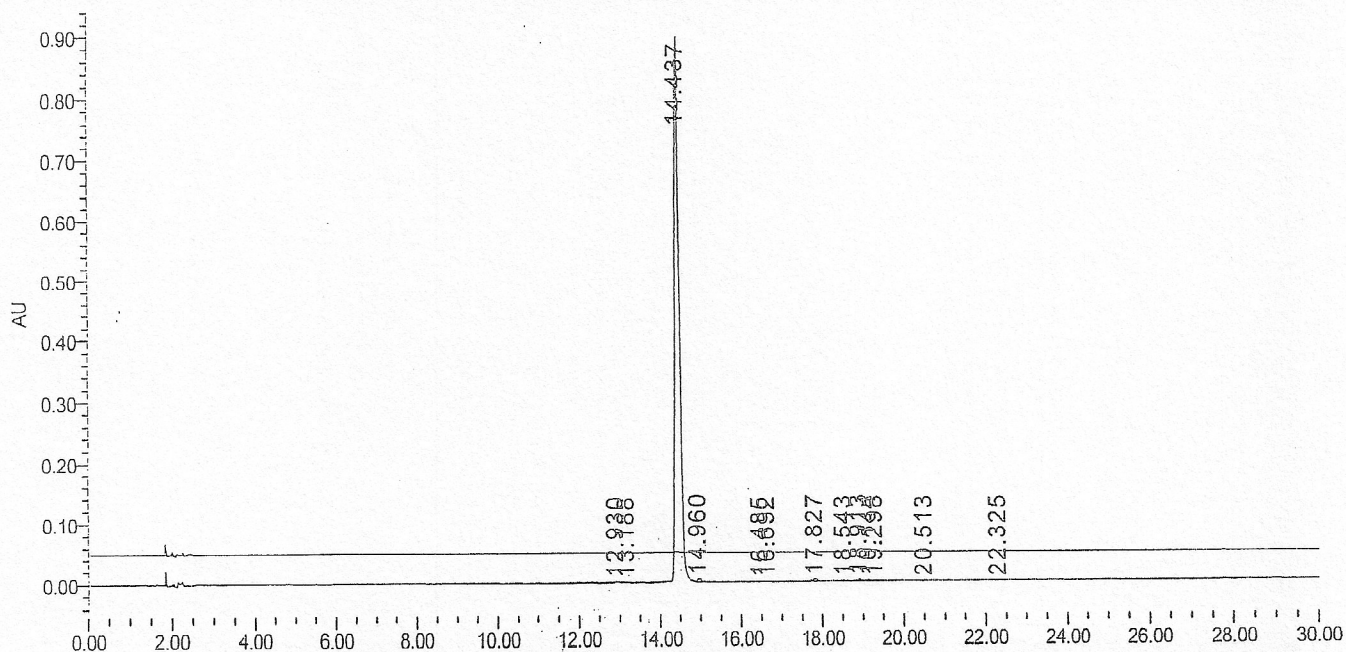
Product Name: Luteolin-7-O-glucoside

Lot No.: 2308834

### SAMPLE INFORMATION

Sample Name: Luteoloside  
Sample Type:  
Vial: 20, 33  
Injection #: 1  
Injection Volume: 5.00 ul  
Run Time: 30.0 Minutes

Acquired By:  
Sample Set Name  
Acq. Method Set: Luteoloside  
Processing Method: sample



### Peak Results

|   | RT     | Area    | % Area | Height | Plate Count | Resolution | Asymmetry |
|---|--------|---------|--------|--------|-------------|------------|-----------|
| 1 | 12.930 | 7592    | 0.11   | 1028   | 49861.56    |            |           |
| 2 | 13.188 | 4491    | 0.06   | 655    | 101361.69   | 1.27       |           |
| 3 | 14.437 | 7051280 | 98.32  | 897039 | 77367.08    | 5.94       | 1.37      |
| 4 | 14.960 | 40812   | 0.57   | 4743   | 67598.62    | 2.35       |           |
| 5 | 16.485 | 1754    | 0.02   | 290    | 34315.14    |            |           |
| 6 | 16.652 | 3530    | 0.05   | 452    | 138868.18   |            |           |
| 7 | 17.827 | 28095   | 0.39   | 3573   | 112497.85   | 4.86       | 1.05      |
| 8 | 18.543 | 6348    | 0.09   | 1188   | 300921.43   | 3.81       | 1.23      |
| 9 | 18.913 | 13462   | 0.19   | 3105   | 565338.48   | 2.71       | 1.15      |



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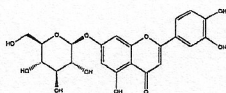
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## **HPLC ANALYSIS**



Catalog No.: 020053

Product Name: Luteolin-7-O-glucoside

Lot No.: 2308834

### Peak Results

|    | RT     | Area | % Area | Height | Plate Count | Resolution | Asymmetry |
|----|--------|------|--------|--------|-------------|------------|-----------|
| 10 | 19.144 | 5199 | 0.07   | 1782   | 947137.14   | 2.49       | 1.22      |
| 11 | 19.298 | 3232 | 0.05   | 1087   | 911818.31   | 2.02       | 1.47      |
| 12 | 20.513 | 2867 | 0.04   | 880    | 811623.44   | 15.42      | 1.08      |
| 13 | 22.325 | 2884 | 0.04   | 776    | 1113021.57  | 20.89      | 0.97      |
| 14 |        |      |        |        |             |            |           |