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## Certificate of Analysis

**Product Name:** Quercetin-7- O- $\alpha$ -L-rhamnosid

**Other Name:** Vincetoxicose B

**Catalogue No.:** BP1189

**Batch No.:** 14092604

**Report date:** 2014-09-26

**CAS Number:** 22007-72-3

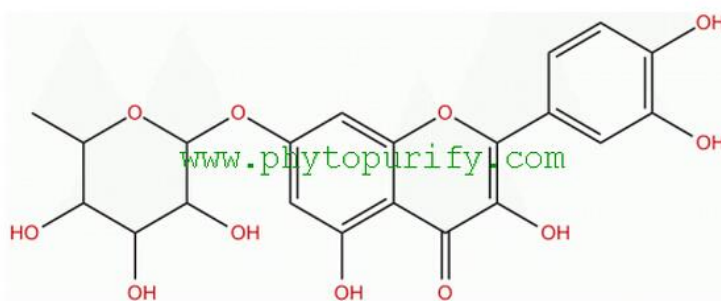
**Mol. Formula:** C<sub>21</sub>H<sub>20</sub>O<sub>11</sub>

**Mol. Weight:** 448.38

**Identification Method:** Mass, NMR

**Analysis Method of Purity:** HPLC-DAD

**Structure:**



**Analytical result:**

| Test                    | Specification       | Results             |
|-------------------------|---------------------|---------------------|
| Appearance              | Light Yellow powder | Light Yellow powder |
| Loss on drying          | <3.0%               | 1.4 %               |
| Purity (HPLC, 255.0nm)* | ≥98.0%              | 99.32%              |

\* Please find HPLC chromatography attached.

**Package:** Brown vial or HDPE Plastic Bottle

**Storage:** Cool and Dry place, protected from light, keep package airproofed when not in use.

**Expiration:** two years (2016-09-26) under conditions list above.

QC: *Meng Pan*

Date: 2014-09-26

QA: *Lianglei Zhang*

Date: 2014-09-26

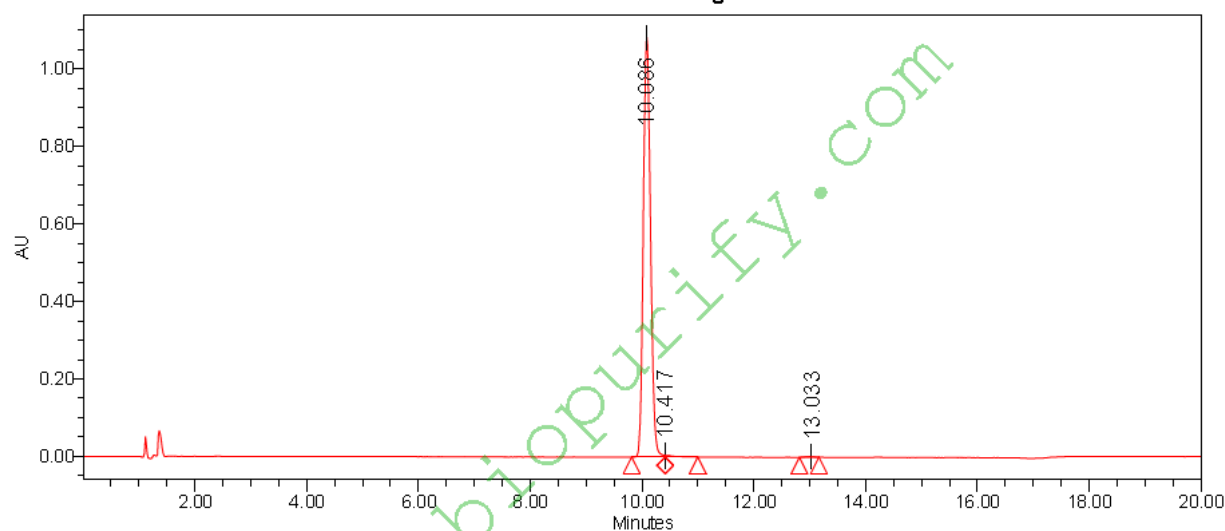


Chengdu Biopurify Phytochemicals Ltd

## SAMPLE INFORMATION

|                   |                                          |                     |                                     |
|-------------------|------------------------------------------|---------------------|-------------------------------------|
| Sample Name:      | Quercetin7O $\alpha$ L rhamnosid14092604 | Acquired By:        | panmeng                             |
| Sample Type:      | Unknown                                  | Sample Set Name:    |                                     |
| Vial:             | 1:F,3                                    | Acq. Method Set:    | Quercetin7O $\alpha$ L rhamnoside   |
| Injection #:      | 1                                        | Processing Method:  | Quercetin 7 O $\alpha$ L rhamnoside |
| Injection Volume: | 10.00 ul                                 | Channel Name:       | 255.0nm                             |
| Run Time:         | 20.0 Minutes                             | Proc. Chnl. Descr.: | PDA 255.0 nm                        |
| Date Acquired:    | 2014-09-26 3:44:07 PM CST                |                     |                                     |
| Date Processed:   | 2014-09-26 4:03:53 PM CST                |                     |                                     |

Auto-Scaled Chromatogram



### Peak Results

|   | Name | RT     | Area    | % Area | USP Plate Count | USP Resolution |
|---|------|--------|---------|--------|-----------------|----------------|
| 1 |      | 10.086 | 9657449 | 99.32  | 29258.23        |                |
| 2 |      | 10.417 | 49185   | 0.51   |                 | 1.38           |
| 3 |      | 13.033 | 17184   | 0.18   | 26272.81        | 9.73           |