



## Certificate of Analysis

| Product and Batch Information |  |                    |                   |
|-------------------------------|--|--------------------|-------------------|
| Product Name:                 | Salidroside  | Country of Origin: | P.R. China        |
| CAS:                          | 10338-51-9   | Molecular Model:   | C14H20O7          |
| Batch:                        | CS-RRP-160401  | Manufacture Date   | Apr 01, 2016.     |
| Analysis Date                 | Apr 02, 2016.  | Report Date        | Mar 30, 2018.     |
| Item                          | Specification  | Result             | Test Method       |
| Active Ingredients            |  |                    |                   |
| Assay(w/w;%, On Dried Base)   | 99.0%Min   | 99.90%             | HPLC              |
| Physical Control              |  |                    |                   |
| Appearance                    | Fine powder  | Complies           | Visual            |
| Color                         | White to Off White   | Complies           | Visual            |
| Identification                | Positive   | Complies           | IR                |
| Melting point °C              | 159-160  | Complies           | USP               |
| Loss on Drying                | ≤1.0%  | 0.53%              | CPh               |
| Ash                           | ≤1.0%  | 0.12%              | CPh               |
| Chemical Control              |  |                    |                   |
| Heavy metals                  | ≤10ppm   | Conforms           | Atomic Absorption |
| Arsenic (As)                  | ≤1ppm  | Conforms           | Atomic Absorption |
| Lead (Pb)                     | ≤1ppm  | Conforms           | Atomic Absorption |
| Solvent Residual              | Meeting USP Standard   | Conforms           | GC                |
| Pesticides Residual           | Meeting USP Standard   | Conforms           | GC-MS             |
| Microbiological Control       |  |                    |                   |
| Total Plate Count             | ≤10,000CFU/gm  | Conforms           | AOAC              |
| Yeast & Mold                  | ≤100CFU/gm   | Conforms           | AOAC              |
| E.Coli                        | Negative   | Negative           | AOAC              |
| Salmonella                    | Negative   | Negative           | AOAC              |
| Staphylococcus                | Negative   | Negative           | AOAC              |
| Packing and Storage           |  |                    |                   |
| Packing                       | Pack in paper-drums and two plastic-bags inside. 25Kg/Drum         |                    |                   |
| Storage                       | Store in cool and dry place, keep away from strong light and heat. |                    |                   |
| Shelf Life                    | 2 years if sealed and stored properly.                             |                    |                   |

