

## Certificate of Analysis

|                          |  |  |  |
|--------------------------|--|--|--|
| <b>Product Name</b>      | Astragalus P.E.Cycloastragenol 1%                                |  |  |
| <b>Batch No.</b>         | AS230206   |  |  |
| <b>Batch Quantity</b>    | 100kgs   |  |  |
| <b>Storage Condition</b> | Store in cool & dry place, Keep away from strong light and heat. |  |  |

| Item                             | Specification                           | Result   | Method                        |
|----------------------------------|---|----------|-------------------------------|
| <b>Basic Product Information</b> |   |          |                               |
| Genus and Species                | <i>AstragalusMembranaceus(fisch)Bge</i> | Conform  | /                             |
| Country of Origin                | China                                   | Conform  | /                             |
| <b>Organoleptic Data</b>         |   |          |                               |
| Assay(Cycloastragenol)           | >1%                                     | 1.1%     | HPLC                          |
| Appearance                       | Fine powder                             | Conform  | HES-QCS-1008                  |
| Color                            | Brown                                   | Conform  | GB/T 5492-2008                |
| Odor                             | Characteristic                          | Conform  | GB/T 5492-2008                |
| Taste                            | Characteristic                          | Conform  | GB/T 5492-2008                |
| <b>Process Data</b>              |   |          |                               |
| Identity                         | TLC                                     | Conform  | TLC                           |
|                                  | HPLC                                    | Conform  | HPLC                          |
| <b>Physical Characteristics</b>  |   |          |                               |
| Particle Size                    | 98% Pass 100 mesh                       | Conform  | GB/T 5507-2008                |
| Loss on Drying                   | <5.0%                                   | 4.87%    | GB/T 14769-1993               |
| Residue on Ignition              | <5.0%                                   | 1.07%    |                               |
| <b>Heavy Metals</b>              |   |          |                               |
| Total Heavy Metals               | <10ppm                                  | Conform  | USP <231>, method II          |
| As                               | <1.5ppm                                 | Conform  | AOAC 986.15, 18th             |
| Pb                               | <3.0ppm                                 | Conform  | AOAC 986.15, 18th             |
| Cd                               | <0.3ppm                                 | Conform  | AOAC 986.15, 18th             |
| Hg                               | <0.1ppm                                 | Conform  | AOAC 971.21, 18th             |
| <b>Microbiology</b>              |   |          |                               |
| Total Plate Count                | <1,000cfu/g                             | Conforms | AOAC 990.12, 18th             |
| Yeast & Mold                     | < 100cfu/g                              | Conforms | FDA (BAM) Chapter 18, 8th Ed. |
| E. Coli                          | < 10cfu/g                               | Negative | AOAC 997.11, 18th             |
| Salmonella                       | < 10cfu/g                               | Negative | FDA (BAM) Chapter 5, 8th Ed.  |

