

# PREMIUM INGREDIENT CO.,LTD

|                          |                                                                    |
|--------------------------|--------------------------------------------------------------------|
| <b>Product name</b>      | <b>Andrographis Paniculata Extract / Andrographolide</b>           |
| <b>Other name</b>        | Andrographis Paniculata P.E                                        |
| <b>Active Ingredient</b> | Andrographolide                                                    |
| <b>Part plant used</b>   | <b>Leaf</b>                                                        |
| <b>Quality Standard</b>  | 98% up by HPLC, 10%. Or customized according to customer's request |
| <b>Appearance</b>        | White fine powder                                                  |

| Item                | Specification                             | Result    | Method             |
|---------------------|-------------------------------------------|-----------|--------------------|
| Appearance          | Brown fine powder                         | Complies  | Visual             |
| Odor                | Characteristic                            | Complies  | Organoleptic       |
| Taste               | Characteristic                            | Complies  | Organoleptic       |
| Drying Method       | Vacuum drying                             | Complies  | /                  |
| Loss on Drying      | ≤10.0%                                    | 4.30%     | TQ-104(105°C/2h)   |
| Ash (Sulphated Ash) | ≤10.0%                                    | 5.56%     | TQ-104(525°C/3h)   |
| Particle Size       | NLT 100%<br>Through 80 mesh               | Complies  | AOAC973.03(TQ_106) |
| Total Heavy Metals  | ≤10ppm                                    | Complies  | ICP/MS AOAC 993.14 |
| Lead(Pb)            | ≤1ppm                                     | Complies  | ICP/MS AOAC 993.14 |
| Arsenic(As)         | ≤1ppm                                     | Complies  | ICP/MS AOAC 993.14 |
| Cadmium (Cd)        | ≤1ppm                                     | Complies  | ICP/MS AOAC 993.14 |
| Mercury(Hg)         | ≤0.05ppm                                  | Complies  | ICP/MS AOAC 993.14 |
| Total Plate Count   | ≤10,000cfu/g                              | 5000cfu/g | AOAC996. 23        |
| Total Yeast & Mold  | ≤1,000cfu/g                               | 100cfu/g  | (BAM) 7th Ed.      |
| E.Coli              | Negative                                  | Negative  | USP33,NF28,2010    |
| Salmonella          | Negative                                  | Negative  | USP33,NF28,2010    |
| Staphylococcus      | Negative                                  | Negative  | USP33,NF28,2010    |
| Conclusion          | The product meet the testing requirements |           |                    |