

Certificate of Analysis

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|--------------------------|-----------------------------------|
| Product Name: | Phyllanthus niruri powder extract |
| Latin Name | <i>Phyllanthus nirurili</i> |
| Plant Part Used: | Herb |
| Origin: | China |
| Extract Method: | 50%Water & 50%Ethanol Extraction |
| Batch No.: | 170826-NGB2811 |
| Manufacture Date: | 26 th , Aug 2017 |
| Expired Date: | 25 th , Aug 2019 |

| <u>Item</u> | <u>Specification</u> | <u>Result</u> |
|------------------------------------|-------------------------------------|----------------|
| <u>Physical Items:</u> | | |
| Appearance: | Brown yellow fine powder | Conformed |
| Taste and Odor: | Characteristic | Characteristic |
| Mesh Size | 100% through 80 Mesh USP36 <786> | Conformed |
| Identification | Identical to R.S. sample by TLC | Conformed |
| <u>Chemical Items:</u> | | |
| Extract Ratio: | 10:1 TLC | 10:1 |
| Loss on Drying | 5.0% Max Eur.Ph.7.0[2.8.17] | 2.71% |
| Sulphated Ash | 3.0% Max Eur.Ph.7.0<281> | 1.95% |
| Residual Solvent | Meet Eur.Ph.7.0<5.4> | Conformed |
| Residual Pesticides | Meet USP Requirements | Conformed |
| Heavy Metals | 10ppm Max Eur.Ph.7.0<2.2.58>ICP-MS | Conformed |
| Arsenic (As) | 2ppm Max Eur.Ph.7.0<2.2.58>ICP-MS | Conformed |
| Lead (Pb) | 2ppm Max Eur.Ph.7.0<2.2.58>ICP-MS | Conformed |
| Cadmium (Cd) | 1ppm Max Eur.Ph.7.0<2.2.58>ICP-MS | Conformed |
| Mercury (Hg) | 0.1ppm Max Eur.Ph.7.0<2.2.58>ICP-MS | Conformed |
| GMO Status | GMO Free | Conformed |
| BSE/TSE Status | BSE/TSE Free | Conformed |
| Preservative status | Preservative Free | Conformed |
| Irradiated Status | Non-irradiated | Conformed |
| Carrier Used or Excipients Added | None | Conformed |
| <u>Sterilization method</u> | High Temperature & Pressure | Conformed |
| <u>Microbiology Control</u> | | |
| Total Plate Count | 10,000cfu/g USP36<61> | Conformed |
| Total Yeast & Mold | 1,000cfu/g USP36<61> | Conformed |
| <i>E.Coli</i> | Negative USP36<62> | Conformed |
| <i>Salmonella</i> | Negative USP36<62> | Conformed |
| <i>Staphylococcus</i> | Negative USP36<62> | Conformed |

The product could be used for human consumption. The product conforms to In house standard.

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| Packaging: | 25Kg/Drum |
| Storage | Store in a cool dry area. Do not freeze. Keep away from strong direct light. |
| Shelf Life | 2 Years when properly stored. |

Report by: Shi Jing Gang

Checker: Yang Hong

Approved by: Jay Park