



Hongda
Phytochemistry

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Rev 3

Certificate of Analysis

Red Yeast Rice Powder

| | | | |
|-----------------------------|-----------------------------------|---------------------------|---------------------|
| Batch No. | HQM-190410 | Manufacturing Date | 04/10/2019 |
| Batch Quantity | 3000KG | Expiration Date | 04/09/2022 |
| Botanical Source | <i>Monascus purpureus went</i> | Country of Origin | China |
| Appearance | Light red to Dark red Fine Powder | Part Used | Seed (100% Natural) |
| Sterilization Method | Heat NON-IRR | Kosher Halal | Yes No |

| ITEMS | SPECIFICATION | RESULT | METHOD |
|----------------|-------------------------|---------|------------------|
| Content | Monacolin-K \geq 0.1% | 0.12% | HPLC USP<621> |
| Identification | Correspond to standard | Conform | TLC USP<201> |

PHYSICAL CHARACTERISTICS

| | | | |
|---------------------|-------------------------|--------------|---------------------------------|
| Particle Size | NLT 95% Through 80 mesh | 98.60% | Analytical sieving USP <786> |
| Loss on Drying | NMT 8.00% | 4.80% | USP <731> |
| Residue on Ignition | NMT 5.00% | 2.30% | USP <731> |
| Bulk Density | Between 40-60g/100ml | 50.00g/100ml | USP <616> Method I |

CHEMICAL CHARACTERISTICS

| | | | |
|---------------------|-----------------------|-----------|---------------------|
| Pesticide Residue | Meet the requirements | Conform | GC USP <561> |
| Heavy Metals(as Pb) | NMT 10ppm | Conform | USP <231> Method II |
| Arsenic (As) | NMT 1ppm | 0.230ppm | ICP-MS |
| Lead (Pb) | NMT 1ppm | 0.120ppm | ICP-MS |
| Cadmium(Cd) | NMT 0.5ppm | 0.190ppm | ICP-MS |
| Mercury(Hg) | NMT 0.1ppm | <0.010ppm | ICP-MS |

MICROBIOLOGICAL CHARACTERISTICS

| | | | |
|---------------------|-----------------------|--------------|---------|
| Total Plate Count | NMT 3000cfu/g | 1300cfu/g | USP<61> |
| Total Yeast & Mold | NMT 100cfu/g | 50cfu/g | USP<61> |
| E.Coli | NMT 30 MPN/100g | Not Detected | USP<61> |
| Salmonella | Not Detected in(g) 25 | Not Detected | USP<61> |
| Staphylococcus | Not Detected in(g) 10 | Not Detected | USP<61> |
| Citrinin | NMT 50ppb | Not Detected | USP<61> |
| Pathogenic Bacteria | Not Detected in(g) 10 | Not Detected | USP<61> |

Packing and Storage Polyethylene bag with cardboard drum. 25kg net.
Store in tight, light-resistant containers, avoid exposure to direct sunlight, moisture and excessive heat.

Tested by:

Tracy Cui

Date: 04/17/2019

Approved by:

Jack Jia

Date: 04/17/2019