



Hongda
Phytochemistry

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USA Warehouse: 1932 S. Lynx PL, Ontario, CA 91761,US
NJ Warehouse: 52 Butler Street, Unit A Elizabeth, NJ 07206

Certificate of Analysis

Exocarpium Citri Rubrum Extract 10:1 TLC

| | | | |
|-----------------------------|--------------------------------|---------------------------|---------------------|
| Batch No. | JH200412 | Manufacturing Date | 4/12/2020 |
| Batch Quantity | 1000KG | Expiration Date | 4/11/2023 |
| Botanical Source | <i>Exocarpium Citri Rubrum</i> | Country of Origin | China |
| Appearance | Brown Yellow Fine Powder | Part Used | Peel (100% Natural) |
| Solvents Used | Water | Carrier Used | Dextrin |
| Sterilization Method | Heat NON-IRR | Kosher Halal | Yes No |

| ITEMS | SPECIFICATION | RESULT | METHOD |
|----------------|------------------------|---------|-----------------|
| Ratio | 10:1 | 10:1 | TLC USP<201> |
| Identification | Correspond to standard | Conform | TLC USP<201> |

PHYSICAL CHARACTERISTICS

| | | | |
|----------------|-------------------------|--------------|---------------------------------|
| Particle Size | NLT 95% Through 80 mesh | 98.50% | Analytical sieving USP <786> |
| Loss on Drying | NMT 5.00% | 3.20% | USP <731> |
| Bulk Density | Between 40-60g/100ml | 44.00g/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 2ppm | <2ppm | ICP-MS |
| Lead (Pb) | NMT 2ppm | <2ppm | ICP-MS |
| Cadmium(Cd) | NMT 1ppm | <1ppm | ICP-MS |
| Mercury(Hg) | NMT 1ppm | <1ppm | ICP-MS |

MICROBIOLOGICAL CHARACTERISTICS

| | | | |
|--------------------|-----------------------|--------------|---------|
| Total Plate Count | NMT10000cfu/g | Conform | USP<61> |
| Total Yeast & Mold | NMT1000cfu/g | Conform | USP<61> |
| E.Coli | Not Detected in(g) 10 | Not Detected | USP<61> |
| Salmonella | Not Detected in(g) 25 | Not Detected | USP<61> |
| Staphylococcus | 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:** 04/20/2020

Approved by: Jack Jia **Date:** 04/20/2020