

**Hangzhou New Asia International Co., Ltd**

189 FengQi East Road,TSN Plaza 4-706

Hangzhou, Zhejiang, 310020, P.R.China

Tel: 86-571-85815391

Fax: 86-571-85815449

E-mail: sales@herbalsextract.com

Website: www.herbalsextract.com

**CERTIFICATE OF ANALYSIS****Avocado Soybean Unsaponifiable**

Total Phytosterols 30% GC

Lot Number: ASU-190301 Manufacture Date: 2019/03/08

Expiry Date: 2021/03/07

**General Information**

|                  |                                     |                   |       |
|------------------|-------------------------------------|-------------------|-------|
| Part Used        | Fruit/Seed                          | Avocado:Soybean:  | 1:02  |
| Botanical Source | <i>Persea gratissima Caertn /So</i> | Country Of Origin | China |

| ITEMS | SPECIFICATION | METHOD | TEST RESULTS |
|-------|---------------|--------|--------------|
|-------|---------------|--------|--------------|

**Physical&Chemical Data**

|            |                    |              |         |
|------------|--------------------|--------------|---------|
| Color      | Light Yellow Brown | Organoleptic | Conform |
| Odor       | Characteristic     | Organoleptic | Conform |
| Appearance | Fine Powder        | Organoleptic | Conform |

**Analytical Quality**

|                    |                          |                     |           |
|--------------------|--------------------------|---------------------|-----------|
| Identification     | Identical to R.S. sample | HPTLC               | Identical |
| Total Phytosterols | ≥30.0%                   | GC                  | 30.2%     |
| Sieve analysis     | 100% through 80 mesh     | USP34<786>          | Conform   |
| Loss on Drying     | ≤5.0%                    | Eur.Ph.7.0 [2.8.17] | 2.7%      |

**Contaminants**

|                    |                       |                          |         |
|--------------------|-----------------------|--------------------------|---------|
| Lead (Pb)          | ≤3.0 mg/kg            | Eur.Ph.7.0<2.2.58>ICP-MS | Conform |
| Arsenic (As)       | ≤2.0 mg/kg            | Eur.Ph.7.0<2.2.58>ICP-MS | Conform |
| Cadmium (Cd)       | ≤1.0 mg/kg            | Eur.Ph.7.0<2.2.58>ICP-MS | Conform |
| Mercury (Hg)       | ≤0.1 mg/kg            | Eur.Ph.7.0<2.2.58>ICP-MS | Conform |
| Solvents Residue   | Meet Eur.Ph.7.0<5.4>  | Eur.Ph 7.0<2.4.24>       | Conform |
| Pesticides Residue | Meet USP Requirements | USP34 <561>              | Conform |

**Microbiological**

|                   |             |            |         |
|-------------------|-------------|------------|---------|
| Total Plate Count | ≤1000 cfu/g | USP34 <61> | Conform |
| Yeast &Mold       | ≤100 cfu/g  | USP34 <61> | Conform |
| E.Coli.           | Negative    | USP34 <62> | Conform |
| Salmonella        | Negative    | USP34 <62> | Conform |

**General Status**

|                            |                                                                                                                                      |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| <b>Packing&amp;Storage</b> | Packed in paper-drums and two plastic-bags inside. N.W:25kgs.<br>Store in a well-closed container Away from moisture, light, oxygen. |
| <b>Shelf life</b>          | 24 months under the conditions above and in its original packaging.                                                                  |
| <b>Remarks</b>             | Non-GMO, Non-All                                                                                                                     |

Analytical Laboratory Manager

Date: 2019.03.12



王海