



CERTIFICATE OF ANALYSIS

Product: Unfilled two pieces hard shell HPMC (Goh-Veg®)capsules
 Size: #0
 Color: Calcium White
 Batch no.: SV021031502
 Manufacturing date: Mar.2021
 Test date: Apr.1st,2021
 Expiration date: Five years
 Ingredients: HPMC(E464),calcium carbonate(E170),calcium phosphate(E341),
 purified water and gellen gum(E418)

| ITEM | SPECIFICATION | RESULTS | METHOD |
|--------------------------------|----------------------------|------------|-----------|
| Disintegration | 90 – 95% dissolve ≤ 30 min | 6min | USP <701> |
| Loss on drying | 3.0 - 8.0 % | 6.4% | USP<731> |
| Weight –average (20 capsules) | 95 ± 6mg | 97mg | USP<2091> |
| Hypromellose ID method B and C | Positive | Pass | USP 35 |
| Ash | --- | 5.8% | USP<281> |
| Heavy metals total | < 10 PPM | Conform | USP<231> |
| Mercury (Hg) | < 0.1 PPM | <0.1 PPM | AAS |
| Lead (Pb) | < 1 PPM | <1 PPM | USP<251> |
| Cadmium (Cd) | < 1 PPM | <1 PPM | AAS |
| Arsenic (As) | < 1 PPM | <1 PPM | USP<211> |
| Microbiological quality | | | |
| Total plate counts | < 1000 CFU/g | < 10 CFU/g | USP<61> |
| Yeast and molds | < 100 CFU/g | < 10 CFU/g | USP<61> |
| E. Coli | Negative | Negative | USP<62> |
| Salmonella | Negative | Negative | USP<62> |
| Staphylococcus aureus | Negative | Negative | USP<62> |
| Defects | | | |
| Critical | < 0.01% | < 0.01% | calculate |
| Major | < 0.05% | < 0.05% | calculate |
| Minor | < 0.1% | < 0.1% | calculate |
| Length | | | |
| Cap | 11.0 ± 0.3 mm | Conform | caliper |
| Body | 18.6 ± 0.3 mm | Conform | caliper |
| Closed | 21.2 ± 0.3 mm | Conform | caliper |

Verified non GMO,certified vegan

QA:HongmeiZhang

Signature: Hongmei Zhang