

BaseBulk

CERTIFICATE OF ANALYSIS

Product Name	Korean Ginseng Extract
Botanical Latin Name	Panax ginseng.
Part Used	Stem & leaf
Batch Number	K20241110
Manufacture Date	2024/11/10
Expire Date	2027/11/09
Issue Date	2024/11/11

Physical & Chemical Characteristics

Analysis Item	Specification	Result
Appearance	Light yellow to brown yellow fine powder	Conforms
Odor & Taste	Characteristic	Conforms
Identification	Positive	Conforms
Ratio	35:1	Conforms
Assay (Ginsenoside)	Ginsenoside	≥1.50% (UV)
Particle size	95% pass 80 mesh	Conforms
Loss on drying	≤5.0%	3.15%
Residue on Ignition	≤10.0%	4.26%
Bulk Density	0.3–0.6 g/ml	Conforms
Tapped Density	0.5–0.9 g/ml	Conforms

Heavy Metals

Analysis Item	Specification	Result
Heavy Metals	NMT 10 ppm	<10 ppm
Lead (Pb)	NMT 3.0 ppm	<3.0 ppm
Arsenic (As)	NMT 2.0 ppm	<2.0 ppm
Mercury (Hg)	NMT 0.1 ppm	<0.1 ppm
Cadmium (Cd)	NMT 1.0 ppm	<1.0 ppm

Microbiological Tests

Analysis Item	Specification	Result
Total Plate Count	NMT 10,000 cfu/g	<1,000 cfu/g
Total Yeast & Mold	NMT 1,000 cfu/g	<100 cfu/g
E. coli	Negative	Negative
Salmonella	Negative	Negative
Staphylococcus	Negative	Negative

General Status

Analysis Item	Specification
General Status	Non-GMO, Allergen Free, Non-Irradiation