

CERTIFICATE OF ANALYSIS

Product Name	Ginseng Extract	Batch Number	G20260520
Botanical Latin Name	<i>Panax ginseng C.A. Mey</i>	Manufacturer Date	20260520
Part Used	Root	Expiry Date	20290519
Batch Quantity	500kg	Report Date	20260527

ITEMS	SPECIFICATION	RESULTS	TEST METHOD
Parameter			
Assay	Ginsenosides $\geq$ 30.0%	30.31%	HPLC
Physical&Chemical Data			
Appearance	Light yellow fine powder	Visual	Visual
Odor&Taste	Bitter and characteristic flavor	Organoleptic	Organoleptic
Identification	Positive	Conforms	TLC
Particle Size	NLT100% pass 80 mesh	Conforms	CP2015
Loss on Drying	NMT5.0%	4.01%	CP2015
Ash Content	NMT5.0%	0.28%	CP2015
Bulk Density	0.4-0.6g/ml	Conforms	CP2015
Tap Density	0.6-0.9g/ml	Conforms	CP2015
Contamination			
Residual Solvents	Meet EP standard	Conforms	32/2009/EC
Pesticides Residue	Meet EP standard	Conforms	396/2005/EC
Aflatoxins B1	NMT2ppb	Conforms	1881/2006/EC
Aflatoxins(B1 + B2 + G1 + G2)	NMT4ppb	Conforms	1881/2006/EC
PAH4	Benzo(a)pyrene $\leq$ 10ppb Sum of benzo(a)pyrene, benz(a)anthracene, benzo(b)fluoranthene and chrysene $\leq$ 50ppbs	Conforms	1881/2006/EC
Ethylene Oxide	NMT0.1ppm	Conforms	396/2005/EC
Heavy Metals			
Heavy Metals	NMT10ppm	<10ppm	Atomic Absorption
Lead(Pb)	NMT3ppm	<3ppm	Atomic Absorption
Arsenic (As)	NMT2ppm	<2ppm	Atomic Absorption
Mercury(Hg)	NMT0.1ppm	<0.1ppm	Atomic Absorption
Cadmium(Cd)	NMT1ppm	<1ppm	Atomic Absorption
Microbiological			
Total Plate Count	NMT10,000cfu/g	<1,000cfu/g	CP2015
Total Yeast & Mold	NMT100cfu/g	<10cfu/g	CP2015
E.coli	Negative	Conforms	CP2015
Salmonella	Negative	Conforms	CP2015
Staphylococcus	Negative	Conforms	CP2015
General Status	Non-GMO, Allergen Free, Non-Irradiation		

Packaging &Storage	Packed in food grade paper-drums and two plastic-bags N/W: 25kg per drum and G/W: 28kg per drum Keep in cool & dry place. Stay away from strong sun light and heat
Shelf Life	Three years
Conclusion	Qualified

