

**CERTIFICATE OF ANALYSIS****Red Korean Ginseng Extract 20% Ginsenosides (UV)****Batch No.: CRS-C-A411429 Manufacture Date: 20241202 Expiry Date: 20271201****General Information**

Part Used	Root 100%	Solvents Used	Water&Ethanol
Botanical Source	<i>Panax ginseng C. A. Mey.</i>	Country Of Origin	China

ITEMS	SPECIFICATION	METHOD	TEST RESULTS
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Physical&Chemical Data

Color	Light Yellow	Organoleptic	Conform
Odour	Characteristic	Organoleptic	Conform
Appearance	Fine Powder	Organoleptic	Conform

Analytical Quality

Identification	Identical to <i>R.S.</i> sample	HPTLC	Identical
Ginsenosides	≥20.0%	UV	20.15%
Sieve analysis	100 % through 80 mesh	Eur.Ph. <2.9.12>	Conform
Loss on Drying	≤5.0 %	Eur.Ph. <2.8.17>	0.26 %
Total Ash	≤10.0 %	Eur.Ph. <2.4.16>	4.88 %
Bulk density	40~60 g/100mL	Eur.Ph. <2.9.34>	50 g/100mL
Tap density	60~90g/100mL	Eur.Ph. <2.9.34>	69 g/100mL

Contaminants

Lead (Pb)	≤3.0 mg/kg	Eur.Ph. <2.2.58>ICP-MS	0.0183 mg/kg
Arsenic (As)	≤2.0 mg/kg	Eur.Ph. <2.2.58>ICP-MS	0.0532 mg/kg
Cadmium (Cd)	≤1.0 mg/kg	Eur.Ph. <2.2.58>ICP-MS	0.0193 mg/kg
Mercury (Hg)	≤0.1 mg/kg	Eur.Ph. <2.2.58>ICP-MS	<0.01 mg/kg
Solvents Residue	Meet Eur.Ph. <2.4.24>	Eur.Ph. <2.4.24>	Conform
Pesticides Residue	Meet Eur.Ph. <2.8.13>	Eur.Ph. <2.8.13>	Conform

Microbiological

Total Plate Count	≤10000 cfu/g	Eur.Ph. <2.6.12>	40 cfu/g
Yeast &Mold	≤1000 cfu/g	Eur.Ph. <2.6.12>	10 cfu/g
E.Coli.	Negative	Eur.Ph. <2.6.13>	Conform
Salmonella	Negative	Eur.Ph. <2.6.13>	Conform

General Status

Non-Irradiation	≤700	EN <13751:2002>	125
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Packing&Storage

Packed in paper-drums and two plastic-bags inside;
N.W:25kgs, I.D.35×H51cm;
Store in a well-closed container Away from moisture,light, oxygen.

Shelf life

36 months under the conditions above and in its original packaging.

Quality Assurance Officer**Corrector****Analyst****No: STP-QCP-<2> (215)**