

CERTIFICATE OF ANALYSIS

BATCH NO.: SC20181229 MANUFACTURE DATE: 20181229 EXPIRY DATE: 20211228

LYCOPodium SERRATUM EXTRACT 1% HUPERZINE A(HPLC)

General Information

Part Used	Whole herb	Solvents Used	Water&Ethanol
Botanical Source	<i>Lycopodium serratum</i>	Country Of Origin	China

ITEMS	SPECIFICATION	METHOD	TEST RESULTS
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Physical&Chemical Data

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

Analytical Quality

Identification	Identical to R.S. sample	HPTLC	Identical
Huperzine A	≥1.0%	HPLC	1.18%
Sieve analysis	100 % through 80 mesh	USP <786>	Conform
Loss on Drying	≤5.0 %	Eur.Ph. <2.8.17>	3.67%
Total Ash	≤10.0 %	Eur.Ph. <2.4.16>	0.69%
Bulk density	40~60 g/100mL	Eur.Ph. <2.9.34>	59 g/100mL

Contaminants

Lead (Pb)	≤3.0 mg/kg	Eur.Ph. <2.2.58>ICP-MS	0.0570 mg/kg
Arsenic (As)	≤2.0 mg/kg	Eur.Ph. <2.2.58>ICP-MS	0.1392 mg/kg
Cadmium (Cd)	≤1.0 mg/kg	Eur.Ph. <2.2.58>ICP-MS	<0.01 mg/kg
Mercury (Hg)	≤0.1 mg/kg	Eur.Ph. <2.2.58>ICP-MS	0.0707 mg/kg
Solvents Residue	Meet Eur.Ph.7.0 <5.4>	Eur.Ph. <2.4.24>	Conform
Pesticides Residue	Meet USP Requirements	USP <561>	Conform

Microbiological

Total Plate Count	≤10000 cfu/g	USP <2021>	120 cfu/g
Yeast & Mold	≤1000 cfu/g	USP <2021>	10 cfu/g
E.Coli.	Negative	USP <2022>	Conform
Salmonella	Negative	USP <2022>	Conform

General Status

Non-Irradiation	≤700	EN13751:2002<PSL>	386
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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.

