

CERTIFICATE OF ANALYSIS

BATCH NO.: SC20190426 MANUFACTURE DATE: 20190426 EXPIRY DATE: 20220425

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
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	1.34%
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	0.0265 mg/kg
Arsenic (As)	≤2.0 mg/kg	Eur.Ph. <2.2.58>ICP-MS	0.2480 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	<0.01 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>	100 cfu/g
Yeast & Mold	≤1000 cfu/g	USP <2021>	85 cfu/g
E.Coli.	Negative	USP <2022>	Conform
Salmonella	Negative	USP <2022>	Conform
General Status			
Non-Irradiation	≤700	EN13751:2002<PSL>	263
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.			

