

CERTIFICATE OF ANALYSIS

ICARIIN 98% (HPLC)

Batch No.: FS-IC130321 MFG Date: 20130321 EXP Date: 20150320

General Information

Botanical Source: Epimedium grandiflorum Using part: Whole plant Place of origin: China

ANALYSIS ITEMS	SPECIFICATION	METHOD	RESULT
Physical&Chemical Data			
Appearance	Powder	Organoleptic	Conform
Colour	Off white to light yellow	Organoleptic	Conform
Odour	Characteristic	Eur.Ph.7.0<2.3.4>	Conform
Analysis Quality			
Icariin	≥98%	HPLC(on anhydrous basis)	98.3%
Sieve Analysis	100% through 80 mesh	USP34<768>	Conform
Lose on drying	≤1%	Eur.Ph.7.0<2.8.17>	0.58%
Total ash	≤1%	Eur.Ph.7.0<2.4.16>	0.65%
Heavy Metal			
As	<20ppm	Eur.Ph.7.0<2.4.8>	Conform
Pb	<2ppm	Eur.Ph.7.0<2.2.58>ICP-MS	<0.01ppm
Hg	<3ppm	Eur.Ph.7.0<2.2.58>ICP-MS	<0.01ppm
Cd	<0.1ppm	Eur.Ph.7.0<2.2.58>ICP-MS	<0.01ppm
Solvents Residue	<1ppm	Eur.Ph.7.0<2.2.58>ICP-MS	<0.01ppm
Pesticides Residue	Meet Eur.Ph.7.0<5.4>	Eur.Ph.7.0<2.4.24>	Conform
	Meet USP Requirements	USP32<561>	Conform
Microbiological			
Total Plate Count	≤1000cfu/g	Eur.Ph.7.0<2.6.12>	Conform
Yeast & Mold	≤100cfu/g	Eur.Ph.7.0<2.6.12>	Conform
E. Coli	Negative	Eur.Ph.7.0<2.6.13>	Conform
Salmonella	Negative	Eur.Ph.7.0<2.6.13>	Conform
Packing & Store			
	Packed in paper-drums and two plastic-bags inside		
	Net W. : 25KGs D38*H55		
	Store in cool & dry place, Keep away from strong light and heat.		
Shelf Life			
	2 years when properly stored with its original packaging.		

Conclusion: Conform to specification.