



长沙市惠瑞生物科技有限公司
CHANGSHA HUIR BIOLOGICAL-TECH CO.,LTD

Certificate of Analysis

Product Name:	POLYGONUM CUSPIDATUM EXTRACT	Latin Name:	<i>Polygonum cuspidatum</i> Sieb. <i>et Zucc</i>
Part used:	Root&Stem	Extract Solvent:	Ethanol or Water
Excipient Used:	None	Extract Ratio:	/
Manufacture Date:	20170525	Expiry Date:	20190524
Representative Qty.:	1000KG	Batch Number:	20170525

ITEM		SPECIFICATION	RESULT	STANDARD REFERENCED
Physical	Appearance	White to Off white powder	Complies	HR-Q36-2007
	Loss on drying	≤2.0%	0.73%	CPh.
	Ash	≤1.0%	0.53%	CPh.
	Melting point	253~255°C	Complies	CPh.
	Particle size	100% pass 80 mesh	Complies	CPh.
Chemical	Heavy metals	≤10ppm	Complies	CPh.
	As	≤1ppm	Complies	CPh.
	Pb	≤1ppm	Complies	CPh.
	Cd	≤0.1ppm	Complies	CPh.
	Hg	≤0.1ppm	Complies	CPh.
	BHC	≤0.1ppm	Complies	CPh.
	DDT	≤0.1ppm	Complies	CPh.
	PCNB	≤0.1ppm	Complies	CPh.
	Pesticides Residue	Meets USP standards	Complies	CPh.
	Ethanol residual	≤5000ppm	Complies	CPh.
	Aflatoxin	≤5ppb	Complies	GB/T5009.22-1996
Assay	Resveratrol(HPLC)	≥98.0%	98.52%	HR-Q36-2007
	Emodin	≤0.5%	Complies	
Microbial	Total microbacterial count	≤1000CFU/g	Complies	CPh.
	Yeast & Mould	≤100CFU/g	Complies	CPh.
	Escherichia Coli presence	Negative	Negative	CPh.
	Salmonella	Negative	Negative	CPh.

Else	Storage condition	Sealed, Kept in a shady & dry place
	Shelf life	Two years