



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

Certificate of Analysis

Product Name:	Valerian Extract	Latin Name:	<i>Valeriana officinalis Linn</i>
Part used:	Stem and Root	Extract Solvent:	Ethanol or Water
Excipient Used:	None	Extract Ratio:	1/1
Manufacture Date:	20161010	Expiry Date:	20161009
Representative Qty.:	800kg	Batch Number:	20161010

ITEM		SPECIFICATION	RESULT	STANDARD REFERENCED
Physical	Appearance	Brown fine powder	Complies	EP
	Loss on drying	≤5.0%	4.08%	EP
	Water	≤5.0%	Complies	EP
	Identification	TLC test	Pass	EP
	Ash	≤5.0%	3.20%	EP
	Particle size	95% pass 80 mesh	Complies	EP
Chemical	Heavy metals	≤10ppm	Complies	EP
	Arsenic	≤1ppm	Complies	EP
	Pb	≤1ppm	Complies	EP
	Cd	≤0.1ppm	Complies	EP
	Hg	≤0.1ppm	Complies	EP
	Solvent residual	≤5000ppm	Complies	EP
	Aflatoxin	≤5ppb	Complies	EP
Assay	Valerianic Acid	≥0.8%	0.86%	EP
Microbial	Total microbacterial count	≤5000CFU/g	Complies	EP
	Yeast &Mould	≤300CFU/g	Complies	EP
	Escherichia Coli presence	Negative	Negative	EP
	Salmonella	Negative	Negative	EP
Else	Storage condition	Sealed, Kept in a shady & dry place		
	Shelf life	Two years		
Conclusion	Complies with European Pharmacopoeia 8.0			

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