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Certificate of Analysis

Item		Specification	Results	Methods
Content of active ingredients	Ginsenoside Rg ₁ , Re,Rb ₁ ,Rc,Rb ₂ , Rd	20%	(Rg ₁ :0.64%;Re: 1.66%;Rb ₁ :4.89%;Rc: 6.88%;Rb ₂ :2.53%;Rd: 3.52%;) Total=20.12%	HPLC
		10:1	10:1	TLC
Appearance & Color		Light yellow powder	Conform	Organoleptic
Odor & Taste		Bitter	Conform	Organoleptic
Plant Part Used		Dried Ginseng Root	Conform	
Mesh Size		100 meshes	100% through 100 meshes	USP Mesh
Water solubility		Partially soluble in water	Complies	USP38
Loss on Drying		≤7.0%	3.07%	USP38<I-921>
Alcohol residual		≤5.0%	3.14%	USP38<II-611>
Bulk density		According To Actual Test Result	0.81g/ml	USP38
Heavy Metals				
Total Heavy Metals		≤30ppm	≤10ppm	USP38 <231>
Arsenic (As)		≤2ppm	≤0.012ppm	USP38 <231>
Lead (Pb)		≤3ppm	≤0.01ppm	USP38 <231>
Cadmium(Cd)		≤0.2ppm	≤0.014ppm	USP38 <231>
Mercury(Hg)		≤0.1ppm	≤0.01ppm	USP38 <231>
Pesticides				
Pesticides Residues		Meeting USP38 Standard	Complies	USP38 <561>
		Procymidone ≤10μg/kg	0.01%μg/kg	USP38 <561>
PAHs (4)		NMT 50ppb	Complies	GC-MS
Microbiology				
Total Plate Count		≤1000cfu/g	≤10cfu/g	USP38 <2022>
Total Yeast & Mold		≤100cfu/g	≤5cfu/g	USP38 <2022>
E. Coli		Negative	Conform	USP38 <2022>
Salmonella		Negative	Conform	USP38 <2022>

QC: Li Ting

QA: Tian V

