CERTIFICATE OF ANALYSIS

Product name:	**Gentian Root Extract**	Ref.Standard	In-house Standard
Plant Latin name:	*Gentiana sino-ornata*	Used part:	Root
Batch Number:	20220715	Manuf. Date:	Jul. 15, 2022
Batch Size:	500kg	Expiry Date:	Jul. 14, 2024
Storage Condition:	Preserve in tight containers at controlled room temperature.		

Item	Specification	Result	Method
Extract Ratio	4:1	Conforms	TLC
Organoleptic			
Appearance	Fine Powder	Conforms	Organoleptic
Color	Brown	Conforms	Organoleptic
Odor	Characteristic	Conforms	Organoleptic
Physical Characteristics			
Identification	Identical to R.S. sample	Identical	TLC
Particle Size	100%Through 80 mesh	Conforms	USP<786>
Loss on Drying	≤5.0%	3.34%	USP<731>
Ash Content	≤10.0%	3.40%	USP<561>
Heavy metals			
Lead(Pb)	≤3.0ppm	Conforms	USP<730>ICP-MS
Arsenic(As)	≤2.0ppm	Conforms	USP<730>ICP-MS
Mercury(Hg)	≤0.5ppm	Conforms	USP<730>ICP-MS
Cadmium(Cd)	≤1.0ppm	Conforms	USP<730>ICP-MS
Microbiological Tests			
Total plate Count	≤10000cfu/g	Conforms	USP<2021>
Yeast & Mold	≤1000cfu/g	Conforms	USP<2021>
E.Coli.	Negative	Negative	USP<2022>
Salmonella	Negative	Negative	USP<2022>
Conclusion:	Conforms to In-house standard.		

Tested by: Tiantian Wang Checked by: Xiao Wang Approved by: Yulian Liu

Xi'an Natural Field Bio-technique Company Limited Inspection

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