

CERTIFICATE OF ANALYSIS

Product Name	Gypenosides		
Latin Name	<i>Gynostemma pentaphyllum(thunb)mak</i>		
Plant Part Used	Root		
Extract Solvent	Water&Ethanol		
Batch Number	20221026	Manufacture Date	20221026
Report Date	20221026	Expiry Date	20241025

Item of Analysis	Specification	Results	Test Methods
Assay Gypenosides	98%	98.2%	HPLC
Organoleptic			
Appearance	Powder	Conforms	Organoleptic
Color	Brown-yellow fine Powder	Conforms	Organoleptic
Odor	Characteristic	Conforms	CP2010
Taste	Characteristic	Conforms	CP2010
Physical Characteristics			
Particle Size	100% pass 80 mesh	80MESH	CP2010
Loss on drying	5%NMT (%)	0.11%	USP<731>
Total ash	5%NMT (%)	0.20%	USP<561>
Heavy metals			
Total Heavy Metals	10ppm Max	Conform	USP<231>method II
Lead (Pb)	2ppm NMT	Conform	ICP-MS
Arsenic (As)	2ppm NMT	Conform	ICP-MS
Cadmium (Cd)	2ppm NMT	Conform	ICP-MS
Mercury (Hg)	0.5ppm NMT	Conform	ICP-MS
Microbiological Tests			
Total Plate Count	3000cfu/g Max	Conform	USP<61>
Yeast & Mold	100cfu/g Max	Conform	USP<61>
E. Coli.	Negative	Conform	USP<61>
Salmonella	Negative	Conform	USP<61>
Staphylococcus	Negative	Conform	USP<61>

Storage: Store in tight, light-resistant containers, avoid exposure to direct sunlight, moisture and excessive heat.

Shelf Life: 24 months if store under the conditions above and stay in original packaging.