



Xi'an Green Spring Technology Co.,Ltd

## Certificate Of Analysis

Product Name:	Berberine HCL	Batch Number:	2024080801GS
Botanical Source:	Phellodendron chinense Schneid.	Manufacture Date:	Aug.8,2024
Plant Part Used:	Bark	Analysis Date:	Aug.11,2024
Quantity:	700kgs	Expire Date:	Aug.7,2026
ITEM	STANDARD	TEST RESULT	TEST METHOD
Berberine HCL	≥97%	97.52%	HPLC
Physical & Chemical			
Appearance	Yellow Fine powder	Complies	Visual
Odor	Characteristic	Characteristic	Organoleptic
Particle Size	95% through 80 mesh	Complies	USP<786>
Taste	Characteristic	Complies	Organoleptic
Loss on Drying	≤12.0%	8.32%	USP<731>
Ash	≤0.2%	0.16%	USP<281>
Heavy Metal			
Pb	≤2.0ppm	0.46ppm	ICP-MS
As	≤1.0ppm	0.13ppm	ICP-MS
Cd	≤1.0ppm	0.01ppm	ICP-MS
Hg	≤0.1ppm	0.002ppm	ICP-MS
Microbiological Test			
Total Plate Count	≤1000cfu/g	Complies	AOAC
Mold and Yeast	≤100cfu/g	Complies	AOAC
E.Coli	Negative	Complies	AOAC
Salmonella	Negative	Complies	AOAC
Coliforms	Negative	Complies	AOAC
Staphylococcus aureus	Negative	Complies	AOAC
Pseudomonas aeruginosa	Negative	Complies	AOAC
Conclusion: Conforms with specification, Non-GMO, Allergen Free, Non-irradiation, TSE/BSE Free.			
Shelf Life: 36 months under the above condition,and in it's original package.			
Packing: By 25kgs/Drum,inner by plastic bag.			

Quality Assurance: Liang Yan

