

CERTIFICATE OF ANALYSIS

Product Name:	Berberine hydrochloride		
Used Part:	Bark	Ref. Standard:	In-house Standard
Batch Number:	20210118	Manuf. Date:	Jan.18,2021
Batch Size :	500kg	Expiration Date:	Jan.17,2023
Storage Condition:	Store in a well-closed and dry place with constant room temperature and Non-direct sunlight.		

ITEM	METHOD	SPECIFICATION	RESULT
Appearance	Organoleptic	Fine powder	Conforms
Color	Organoleptic	Yellow powder	Conforms
Odor	Organoleptic	Characteristic	Conforms
Taste	Organoleptic	Characteristic	Conforms
Identification	CP2005	Color reaction A & B & C:positive	Conforms
	CP2005	IR:meet the requirements	Conforms
	CP2005	Chloride:positive	Conforms
Physical & Chemical Characteristics			
Particle Size	CP2005	100% through 80 mesh	Conforms
Residue on ignition	CP2005	≤0.2%	0.11%
Loss on Drying	CP2005	≤12.0%	11.3 %
Bulk density	CP2005	≥0.5g/ml	Conforms
Other alkaloids	CP2005	Meet the requirements	Conforms
Polycyclic aromatic	GBZ/T160.1	Negative	Negative
Heavy metals	GB/T5009.74	≤10.0ppm	Conforms
Lead(Pb)	GB/T5009.12	≤1.0ppm	Conforms
Arsenic(As)	GB/T5009.11	≤1.0ppm	Conforms
Cadmium(Cd)	GB/T5009.15	≤1.0ppm	Conforms
Mercury(Hg)	GB/Y5009.17	≤0.1ppm	Conforms
Microbiological Tests			
Total Plate Count	GB/T4789.2	≤1000cfu/g	Conforms
Yeast & Mold	GB/T4789.15	≤100cfu/g	Conforms
E.Coli.	GB/T4789.3	Negative	Negative
Salmonella	GB/T4789.4	Negative	Negative
Staphylococcus	GB/T4789.10	Negative	Negative
Assay	CP2005	≥97.0%	97.6%
Conclusion:	Conform to In-house standard.		

Tested by: Tiantian Wang

Approved by: Yulian Liu

