

Certificate of Analysis

Product Name	Berberine HCL	Batch Number	YG20210718
Used part	Root and stem	Manufacture Date	20210718
Packing	25kg/Paper Drum	Analysis Date	20210721
Quantity	1000kg	Expiry Date	20230717

ITEMS	SPECIFICATION	RESULTS	TEST METHODS
Assay	≥ 97%	97.3%	Titration
Physical & Chemical			
Appearance	Yellow crystalline powder	Complies	Visual
Odor	Characteristic	Complies	Organoleptic
Particle size	100% pass80 mesh	Complies	CP2015
Loss on drying	≤12.0%	10.20%	CP2015
Ash	≤2.0%	1.09%	CP2015
Pesticides	Negative	Negative	CP2015
Heavy metals			
Heavy Metal	≤10ppm	Complies	CP2015(AAS)
Pb	≤2ppm	Not detected	CP2015(AAS)
As	≤1ppm	Not detected	CP2015(AAS)
Cd	≤2ppm	0.18ppm	CP2015(AAS)
Hg	≤0.5ppm	0.04 ppm	CP2015(AAS)
Microbiological			
Total of bacteria	≤1000cfu/g	90cfu/g	CP2015
Molds	≤100cfu/g	30cfu/g	CP2015
Salmonella	Negative	Complies	CP2015
E.Coli	Negative	Complies	CP2015
Conclusion	Conform with specification.		
Storage	Store in cool & dry place. Do not free. Keep away from strong light and heat.		
Shelf life	2 years when properly stored.		