



### Certificate of Analysis

Product Name	Mangiferin powder		
Batch Number	KT-20230401	Batch Quantity	200kg
Manufacture Date	2023/04/01	Report Date	2023/04/06
Active ingredients	Mangiferin		

Analysis Items	Specifications	Results	Test Method
No1: Look and Feel Properties			
Appearance	Pale yellow Crystal powder	Complies	Visual
Odor	Odourless	Complies	Organoleptic
Particle Size	100% Through 80 mesh	Complies	Ch.P.C.Rule 47
No2: Physical and Chemical Properties			
Solubility	Melting point 267~272°C, slightly soluble in methanol, ethanol, water, soluble in hot dilute methanol and hot dilute ethanol	Complies	/
Loss on drying	NMT5.00%	3.95%	Ch.P.C.Rule 52
Heavy Metals	NMT 10ppm	Complies	Ch.P.C.Rule 21-AAS
Arsenic(As)	NMT 2ppm	Complies	Ch.P.C.Rule 21-AAS
Lead(Pb)	NMT 2ppm	Complies	Ch.P.C.Rule 21-AAS
Mercury(Hg)	NMT 0.1ppm	Complies	Ch.P.C.Rule 21-AAS
Cadmium(Cd)	NMT 1ppm	Complies	Ch.P.C.Rule 21-AAS
Sulphate ash	NMT 1.00%	0.09%	Ch.P.C.Rule 2302
No3.: Identify and content indexes			
Assay	≥95%	95.51%	Ch.P.C.Rule23-HPLC
No4.: Microbiological Requirements			
Total Plate Count	NMT 1,000cfu/g	Complies	Ch.P.C.Rule 80
Total Yeast and molds	NMT 100cfu/g	Complies	Ch.P.C.Rule 80
Pseudomonas	Negative	Complies	Ch.P.C.Rule 80
Escherichia coli	Negative	Complies	Ch.P.C.Rule 80
Staphylococcus	Negative	Complies	Ch.P.C.Rule 80
Enterobacteriaceae	Negative	Complies	Ch.P.C.Rule 80
Salmonella	Negative	Complies	Ch.P.C.Rule 80
Conclusion	The test results conforms with the quality standard.		
Storage	Store in a well-closed container away from moisture.		
Shelf Life	5 years if sealed and store away from direct sun light.		

Director of Quality Inspection: Andy C.

Director of Quality Control:  Kai Z