



Certificate of Analysis

Product Name	Epimedium Extract	Botanical Name	E.brevicornum Maxim.
Lot No.	KT20260224	Product grade	Food grade
Manufacture Date	2026/02/24	Batch Quantity	544kg
Report Date	2026/03/02	Expiry Date	2028/02/23
Extraction Solvent	Water/Ethanol	Country of origin	P.R.China
Non-Irradiated / Non-ETO/ Treat by Heat Only / Non-GMO			

Analysis Items	Specifications	Results	Test Method
Assay of Icarin	≥10.0%	10.45%	HPLC
Identification	Positive	Complied	TLC
Physical and chemical properties			
Appearance	Amorphous Powder	Conforms	Visual
Odour	Slight, Specific	Conforms	Organoleptic
Colour	Brown fine powder	Conforms	Organoleptic
Particle Size	≥95% Through 80 mesh	Conforms	CP2015
Bulk Density	Slack Density	0.49g/ml	USP616
	Tight Density	0.72g/ml	USP616
Loss on drying	≤ 5.0%	4.89%	GB 5009.3
Total Ash	≤ 5.0%	1.02%	GB 5009.4
Heavy Metals	≤10.0ppm	Conforms	Atomic Absorption
Cadmium(Cd)	≤1.0ppm	Conforms	Atomic Absorption
Mercury(Hg)	≤0.1ppm	Conforms	Atomic Absorption
Arsenic(As)	≤2.0ppm	Conforms	Atomic Absorption
Lead(Pb)	≤3.0ppm	Conforms	Atomic Absorption
Microbiological Quality (Total viable aerobic count)			
Total Plate Count, cfu/g	≤1,000 CFU/g	Conforms	GB 4789.2
Mold and yeast Count, cfu/g	≤ 200 CFU/g	Conforms	GB 4789.15
E. coli	Negative/10g	Conforms	GB4789.3
Salmonella	Negative/10g	Conforms	GB 4789.4
Staphylococcus aureus	Negative/10g	Conforms	GB 4789.10
*Storage Condition: Store in tightly closed plastic bag and keep in a cool dry place. Do not freeze. Keep always from strong direct light.			
*Shelf life: 2 years when stored properly			
*Safety Precaution: Wearing of protective goggles or safety glasses is recommended. If accidentally instilled into the eyes, immediately rinse thoroughly with water and get medical care. Wash skin with soap and water upon contact.			
Conclusion	Confirm to Specification and Standards.		

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