

Certificate of Analysis

Product Name	Polygonum Cuspidatum Extract	Part Used	Root
Common Name	Giant Knotweed Extract	Product Grade	Food Grade
Lot No.	KT20260426	Batch Quantity	877kg
Manufacture Date	2026/04/26	Expiry Date	2028/04/25
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 (Trans-Resveratrol)	≥98%	98.41%	HPLC
Emodin	≤2.0%	<0.1%	HPLC
Identification	Positive	Complied	TLC
Physical and chemical properties			
Appearance	Off-white fine powder	Conforms	Visual
Odour	Slight, Specific	Conforms	Organoleptic
Colour	Off-white	Conforms	Organoleptic
Particle Size	≥95% Through 80 mesh	Conforms	Laser Diffraction
Bulk Density	30–50 g/100 mL	47 g/100 mL	USP <616> Method I
Loss on drying	≤5.0%	0.38%	Drying Method
Ash	≤5.0%	0.22%	Incineration Method
Solvent Residue	Meet USP requirements	Conforms	USP <467>
Pesticides Residue	Meet USP requirements	Conforms	USP <561>
Heavy Metals	≤10.0ppm	Conforms	USP <231> Method II
Arsenic(As)	≤1.0ppm	0.0213 ppm	GB 2762-2025/ICP-MS
Lead(Pb)	≤0.5ppm	<0.05 ppm	ICP-MS
Cadmium(Cd)	≤0.5ppm	<0.005 ppm	ICP-MS
Mercury(Hg)	≤0.1ppm	<0.003 ppm	ICP-MS
Microbiological Quality (Total viable aerobic count)			
Total Plate Count,cfu/g	≤10,000 CFU/g	Conforms	USP <61>
Mold and yeast Count,cfu/g	≤1,000 CFU/g	Conforms	USP <61>
E. coli	Negative	Conforms	USP <62>
Salmonella	Negative	Conforms	USP <62>
*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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