

Certificate of Analysis

Product Name	Macleaya Cordata Extract	Part used	Macleaya cordata fruits
Lot No.	KT20260324	Product Grade	Food grade
Manufacture Date	2026/03/24	Batch Quantity	142kg
Report Date	2026/04/28	Expiry Date	2028/03/23
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 (Total alkaloids)	≥60.0%	60.4%	HPLC
Sanguinarine (as chloride)	≥40.0%	44.1%	HPLC
Chelerythrine (as chloride)	≥15.0%	16.3%	HPLC
Identification	Positive	Complied	TLC
Physical and chemical properties			
Appearance	Orange-yellow powder	Conforms	Visual
Odour	Slight, Specific	Conforms	Organoleptic
Particle Size	≥ 100% Through 60 mesh	Conforms	Ch.P.C.Rule47
Loss on drying	≤ 5.0%	0.22%	Ch.P.C.Rule52
Ash	≤ 5.0%	1.43%	CHP2020
Heavy Metals	≤ 10.0ppm	Conforms	Atomic Absorption
Cadmium(Cd)	≤ 1.0ppm	Conforms	Atomic Absorption
Mercury(Hg)	≤ 0.1ppm	Conforms	Atomic Absorption
Arsenic(As)	≤ 1.0ppm	Conforms	Atomic Absorption
Lead(Pb)	≤ 2.0ppm	Conforms	Atomic Absorption
Residual Solvents			
- Ethanol	≤ 5000 PPM	Conforms	Gas Chromatography
Microbiological Quality (Total viable aerobic count)			
Total Plate Count,cfu/g	≤ 1000 CFU/g	Conforms	Ch.P.C.Rule80
Mold and yeast Count,cfu/g	≤ 100 CFU/g	Conforms	Ch.P.C.Rule80
E. coli	Negative	Conforms	Ch.P.C.Rule80
Salmonella	Negative	Conforms	Ch.P.C.Rule80
Staphylococcus aureus	Negative	Conforms	Ch.P.C.Rule80
*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.		

Analyst: Lu Pengfei

Checker: Yu Xiaofang

Q.C: Wan Pan

Factory Address: East 16-3-1, Zhongnan High-tech Airport Industrial Park, Airport New City, Xixian New Area, Shaanxi, China.**Tel:** +86-29-8525 4454**Email:** natural@kintaibio.com**Cell phone:** +86-133 4743 6038**Web:** www.kintainutri.com