



Certificate of Analysis

Product Name	Macleaya Cordata Extract	Part used	Macleaya cordata fruits
Lot No.	KT20250427	Batch Quantity	172kg
Manufacture Date	2025/04/27	Expiry Date	2027/04/26
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)	$\geq 60.0\%$	60.63%	HPLC
Sanguinarine (as chloride)	$\geq 40.0\%$	44.21%	HPLC
Chelerythrine (as chloride)	$\geq 15.0\%$	16.42%	HPLC
Identification	Positive	Complied	TLC
Physical and chemical properties			
Appearance	Orange-yellow powder	Conforms	Visual
Odour	Slight, Specific	Conforms	Organoleptic
Particle Size	$\geq 100\%$ Through 60 mesh	Conforms	Ch.P.C.Rule47
Loss on drying	$\leq 5.0\%$	0.21%	Ch.P.C.Rule52
Ash	$\leq 5.0\%$	1.44%	-
Heavy Metals	$\leq 10.0\text{ppm}$	Conforms	Atomic Absorption
Cadmium(Cd)	$\leq 1.0\text{ppm}$	Conforms	Atomic Absorption
Mercury(Hg)	$\leq 0.1\text{ppm}$	Conforms	Atomic Absorption
Arsenic(As)	$\leq 1.0\text{ppm}$	Conforms	Atomic Absorption
Lead(Pb)	$\leq 2.0\text{ppm}$	Conforms	Atomic Absorption
Residual Solvents			
- Ethanol	$\leq 5000\text{ PPM}$	Conforms	Gas Chromatography
Microbiological Quality (Total viable aerobic count)			
Total Plate Count,cfu/g	$\leq 1000\text{ CFU/g}$	Conforms	Ch.P.C.Rule80
Mold and yeast Count,cfu/g	$\leq 100\text{ CFU/g}$	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.		

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