



# Xi'an Quanao Biotech Co., Ltd.

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## Certificate of Analysis

<b>Product Name</b>	Macleaya cordata Extract		
<b>Latin Name</b>	<i>Macleaya cordata (Willd.) R. Br.</i>		
<b>CAS No.</b>	112025-60-2	<b>M.F.</b>	C20H14NO4
<b>Production Date</b>	2020-10-15	<b>Batch No.</b>	QM20201015
<b>Expiry Date</b>	2022-10-14	<b>Report Date</b>	2020-10-21
<b>Original</b>			
<b>ITEMS</b>	<b>SPECIFICATIONS</b>		<b>RESULTS</b>
Appearance	Orange powder		Complies
Odor & Tasted	Characteristic		Complies
Total Alkaloids Assay(%)	≥60.00		62.21
Sanguinarine Assay (%)	≥40.00		41.26
Chelerythrine Assay (%)	≥20.00		20.95
Loss on Drying(%)	≤5.0		0.78
Ash(%)	≤3.0		0.61
Solution	Easily dissolved in methanol and ethanol		Complies
Particle size(%)	100% through 80 mesh sieves		Complies
<b>Heavy Metals</b>			
Heavy Metal(ppm)	≤10		Complies
Pb(ppm)	≤1.0		Complies
As(ppm)	≤1.0		Complies
Hg(ppm)	≤0.1		Complies
Cd(ppm)	≤1.0		Complies
<b>Microbiological Tests</b>			
Total Plate Count(cfu/g)	≤1000		Complies
Yeasts and Moulds(cfu/g)	≤100		Complies
E.coli(cfu/g)	Negative		Complies
Salmonella	Negative		Complies
<b>Conclusion</b>	Conform to the standard.		
<b>Packing</b>	25kg/drum		
<b>Storage and Handling</b>	Store in a cool and dry place, keep away from direct strong and heat		
<b>Shelf life</b>	Two years if sealed and store away from direct sun light.		

QC: Li Ting

QA: Tian Wen

