

SHAANXI YOUGU BIOTECHNOLOGY CO., LTD

CERTIFICATE OF ANALYSIS

Product Name: Macleaya cordata extract	Date Test: May.25,2019	Mfg Date: May.24,2019	
Botanical Name: <i>Macleaya cordata</i> (Willd.) R.	Plant part: Whole plant	Exp. date: May.23,2021	
Batch No.: 19052401	Weight: 200 kg	Origin: China	
ITEMS	SPECIFICATIONS	RESULTS	METHOD/STANDARD
DESCRIPTION			
Characters	Powder	Qualified	Organoleptic
Color	Orange red powder	Qualified	Organoleptic
Odor	Strong pungent odor	Qualified	--
Loss on drying	≤5.0%	3.12%	CP2010
Ash	≤5.0%	2.84%	CP2010
Identification:		Positive(+)	By HPLC/TLC/Titration
Assay(On dry basis)	≥40.0% Sanguinarine	41.16%	HPLC
	≥20.0% Chelerythrine	20.20%	HPLC
Heavy Metals	≤10.0ppm	Qualified	CP2010
Pb	≤1.0ppm	Qualified	CP2010
As	≤1.0ppm	Qualified	CP2010
Hg	≤0.1ppm	Qualified	CP2010
Cd	≤0.2ppm	Qualified	CP2010
Microbiological			
Total Plate Count	1000cfu/g Max	<100cfu/g	CP2010
Yeast& Mold	100cfu/g Max	<50cfu/g	CP2010
E.Coli colonies/g	Negative(-)	Negative	CP2010
Samonella colonies/g	Negative(-)	Negative	CP2010
General Status			
GMO Free	None	Qualified	--
Non-Irradiation	None	Qualified	--

Conclusion: Confirm to CP2010

Packing: Packed in paper-drums and two plastic-bags inside N.W: 25kgs. I.D. 35 x H51cm

Storage: Cool& dry place. Do not freeze. Keep away from strong light and heat

Shelf life: 2 Years under the conditions above and in its original packaging.

QC MANAGER: Jianyuan Cai



APPROVER: Huiqing Jiao



ANALYST: Yanping Xiao

