CERTIFICATE OF ANALYSIS

Product name:	Aloin A / Barbaloin A		
CAS No.:	1415-73-2	Used part:	leaf
Batch Number:	NF-20191104	Manu. Date:	Nov.04.2019
Batch Size	2000KG	Expiration Date:	Nov.03.2021
Net Weight:	2000KG	Report Date	Nov.04.2019

Item	Specification	Result	Method
Assay (by HPLC)	Barbaloin A≥20%	20.15%	HPLC
Appearance	Fine Powder	Conforms	Visual
Color	Brown	Conforms	Visual
Odor	Characteristic	Conforms	Organoleptic
Taste	Characteristic	Conforms	Organoleptic
Drying Method	Spraying drying	Conforms	
Physical			
Particle Size	NLT100%Through 80 mesh	Conforms	GB3520-83
Loss on Drying	≤5.0%	3.52%	2 hours in105℃
Ash content	≤5.0%	2.01%	5 hours in 600℃
Heavy metals			
Total Heavy Metals	≤10ppm	Conforms	
Pb	≤1.0ppm	0.11%	CP15
As	≤1.0ppm	Not Detected	CP15
Hg	≤1.0ppm	0.019%	
Cd	≤1.0ppm	Not Detected	
Microbiological Tests			
Total Plate Count	≤1000cfu/g	Conforms	CP2015
Total Yeast & Mold	≤100cfu/g	Conforms	CP2015
E.Coli	Negative	Not Detected	CP2015
Salmonella	Negative	Not Detected	CP2015
Staphylococcus	Negative	Not Detected	CP2015
Packing	25kg/drum. Packing in paper drum and two plastic bags inside.		
storage	Store in a well-closed place with constant low temperature and no direct sun light.		
Conclusion:	Conform		
Tested by:	Yang Fangchao	Approved by:	Niu Jicheng

Xi'an Natural Field Bio-technique Company Limited
Inspection