

CERTIFICATE OF ANALYSIS

Product name:	Rhodiola Rosea Extract Powder		
Plant Latin name:	Rhodiola crenulata	Used part:	Roots
Batch Number:	NF-20210305	Manu. Date:	Mar. 05, 2021
Batch Size	500KG	Expiration Date:	Mar. 04, 2023
Net Weight:	50KG	Report Date:	Mar. 06, 2021
Storage Condition:	Preserve in tight containers at controlled room temperature .		

Item	Specification	Result	Method
Assay	Salidroside $\geq 3.00\%$	3.32%	HPLC
Organoleptic			
Appearance	Fine Powder	Conforms	Visual
Color	Red brown	Conforms	Visual
Odor	Characteristic	Conforms	Organoleptic
Taste	Characteristic	Conforms	Organoleptic
Drying Method	spraying drying	Conforms	
Excipient	None	Conforms	
Physical Characteristics			
Particle Size	100%Through 80 mesh	Conforms	GB5507-85
Loss on Drying	$\leq 5.0\%$	3.15%	GB/T12531-1990
Ash content	$\leq 5.0\%$	3.46%	AOAC942.05,17th
Heavy metals			
Total Heavy Metals	$\leq 20.0\text{ppm}$	Conforms	CP2000 IXE
Arsenic(As)	$\leq 2.0\text{ppm}$	Conforms	GB/T5009.11-1996
Cadmium(Cd)	$\leq 1.0\text{ppm}$	Conforms	GB/T5009.12-1996
Lead(Pb)	$\leq 3.0\text{ppm}$	Conforms	GB/T5009.12-1996
Total Mercury	$\leq 0.1\text{ppm}$	Conforms	GB/T5009.12-1996
Microbiological Tests			
Total Plate Count	$\leq 1000\text{cfu/g}$	Conforms	AOAC990.12,16 th
Total Yeast & Mold	$\leq 100\text{cfu/g}$	Conforms	FDA(BAM)Chapter18.8t
E.Coli	Negative	Negative	AOAC975.55,16 th
Salmonella	Negative	Negative	FDA(BAM)Chapter5.8 th
Staphylococcus	Negative	Negative	AOAC
Conclusion:	Conform		
Tested by:	FangchaoYang	Approved by:	JichengNiu

