

Certificate of Analysis

Product Name	Rhodiola Rosea Extract	Botanical Source	<i>Rhodiola crenulata</i>
Batch Number	KS20200313	Manufacture Date	Apr.26,2021
Batch Quantity	500kg	Expiry Date	Apr.27,2021
Part Used:	Root	Extraction Solvent	Ethanol & Water

ANALYSIS	SPECIFICATION	RESULTS	METHOD
Assay	Salidroside $\geq 8\%$	8.17%	HPLC
Organoleptic			
Appearance	Light brown Powder	Conformed	Visual
Odor	Characteristic	Conformed	
Tasted	Characteristic	Conformed	
Physical Characteristics			
Sieve Analysis	95% pass 80 mesh	Conformed	
Loss on Drying	$\leq 5\%$	3.89%	EP8.0
Ash	$\leq 5\%$	3.17%	EP8.0
Solvent Residuals	Meets USP<467> requirements	Conformed	USP34
Heavy Metals			
Total Heavy Metals	$\leq 10\text{ppm}$	Conformed	Atomic Absorption
As	$\leq 1\text{ppm}$	Conformed	Atomic Absorption
Pb	$\leq 1\text{ppm}$	Conformed	Atomic Absorption
Cd	$\leq 1\text{ppm}$	Conformed	Atomic Absorption
Hg	$\leq 0.1\text{ppm}$	Conformed	Atomic Absorption
Microbiological Tests			
Total Plate Count	$\leq 1000\text{CFU/g}$	Conformed	USP34
Yeast & Mold	$\leq 100\text{CFU/g}$	Conformed	USP34
E.Coli	Negative	Conformed	USP34
Salmonella	Negative	Conformed	USP34
Storage	Store in Cool & dry place. Keep away from strong light and heat.		
Shelf Life	24 months if sealed and stored properly.		
Packaging	Packaging suitable for food stuff, 25kg double food grade plastic bag in drum.		
QC	Wang Xianmei	QA	Li Yaqiang