



Specification Sheet

Rhodiola Rosea Extract (Rosavins 3%, Salidroside 1%)

Item No.:	RR001
Country of Origin:	P. R. China
Botanic Name:	<i>Rhodiola rosea</i> L.
Plant Parts:	Roots
Solvents:	Ethanol and Water
Shelf Life:	Two Years
Sterilization:	Non-Irradiated/Non-ETO/Treat by Heat Only

Test	Specification	Method
Assay		
Rosavins	≥ 3.0% (As is)	HPLC
Salidroside	≥ 1.0% (As is)	HPLC
Physical/Chemical		
Identification	Positive	TLC
Appearance	Brown powder	Visual
Odor	Characteristic	Organoleptic
Powder Size	≥ 95% through 80 mesh	USP #80 Sieve
Bulk Density	0.30 – 0.60 g/mL	USP40-NF35<616>
Tapped Density	0.50 – 0.80 g/mL	USP40-NF35<616>
Loss on Drying	≤ 5.0%	USP40-NF35<731>
Residue on Ignition	≤ 5.0%	USP40-NF35<281>
Residual Solvents	USP<467>	USP40-NF35<467>
Pesticides Residues	USP<561>	USP40-NF35<561>
Aflatoxins	≤ 20 ppb	USP40-NF35<561>
Heavy Metals		
Total Heavy Metals	≤ 10 µg/g	USP40-NF35<231>
Arsenic (As)	≤ 1.0 µg/g	ICP-MS
Cadmium (Cd)	≤ 0.5 µg/g	ICP-MS
Lead (Pb)	≤ 1.0 µg/g	ICP-MS
Mercury (Hg)	≤ 0.5 µg/g	ICP-MS
Microbiology		
Total Plate Count	≤ 1,000 cfu/g	USP40-NF35<2021>
Molds and Yeasts	≤ 100 cfu/g	USP40-NF35<2021>
Total Coliforms	< 10 cfu/g	USP40-NF35<2021>
<i>Salmonella</i>	Absence	USP40-NF35<2022>
<i>E. Coli</i>	Absence	USP40-NF35<2022>
<i>Staphylococcus aureus</i>	Absence	USP40-NF35<2022>

Quality Approved By: _____

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