宁波玉健健康科技股份有限公司
NINGBO EXCARE PHARM INC.

# Certificate of Analysis

ORIGINAL

| | |
|---|---|
| Report Date | Nov.05, 2024 |
| Manufacture Date | Oct.30, 2024 |
| Test Date | Oct.30, 2024 |

| **Product Name** | **Rhodiola Rosea Extract** | **Botanical name** | *Rhodiola rosea L.* |
|---|---|---|---|
| **Batch Number** | EP24101812 | **Plant part** | Dry Root |
| **Batch Quantity** | 1049.47Kg/-42-drums | | |
| **ITEMS** | **SPECIFICATION** | **RESULT** | **METHOD** |
| **Appearance** | Reddish-brown powder | Conforms | Visual |
| **Nature** | Dry Root | Conforms | Visual |
| **Odor** | Characteristic | Conforms | Organoleptic |
| **Taste** | Characteristic | Conforms | Organoleptic |
| **Origin** | *Rhodiola rosea L.* | Conforms | Biological Taxonomy |
| **Identification** | Positive | Conforms | HPLC&HPTLC |
| **Rosavins** | ≥3.00% | 3.05% | HPLC |
| **Salidrosides** | ≥1.00% | 2.65% | HPLC |
| **Loss on drying** | ≤6.00% | 4.10% | USP |
| **Bulk Density** | 0.45～0.70g/ml | Conforms | USP |
| **Particle Size** | Nlt95% Through 80 Mesh | Conforms | USP |
| **Lead(Pb)** | ≤1.0ppm | 0.13ppm | ICP-MS |
| **Arsenic(As)** | ≤3.0ppm | 0.25ppm | ICP-MS |
| **Cadmium(Cd)** | ≤1.0ppm | <0.01ppm | ICP-MS |
| **Mercury(Hg)** | ≤1.0ppm | 0.06ppm | ICP-MS |
| **Solvent Residue** | Complies to USP | Conforms | USP |
| **Pesticides Residue** | Complies to USP | Conforms | USP |
| **Benzo[a]pyrene** | ≤10.0ppb | Conforms | USP |
| **PAH4** | ≤50.0ppb | Conforms | USP |
| **Total Plate Count** | ≤10000CFU/G | 200CFU/G | USP |
| **Yeast and moulds** | ≤1000CFU/G | <10CFU/G | USP |
| **E.coli** | Absent in 1g | Conforms | USP |
| **Salmonella** | Absent in 10g | Conforms | USP |
| **Staphylococcus aureus** | Absent in 1g | Conforms | USP |
| **Packing and Storage** | Pack in paper-drum and two plastic-bag inside. Net Weight: 25kgs/drum.<br>In a well-closed container away from moisture and light at room temp. | | |
| **Shelf Life** | 3 years | | |

FangHaiyan
**Director of Quality Control**

Yi Li
**Director of Quality Department**

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