



### Certificate of Analysis

|                |                  |                    |                          |
|----------------|------------------|--------------------|--------------------------|
| Product Name   | Rhodiola Extract | Botanical Source   | <i>Rhodiola Rosea L.</i> |
| Batch Number   | NT20250625       | Manufacture Date   | 2025-06-25               |
| Batch Quantity | 400kg/16Drums    | Expiry Date        | 2027-06-24               |
| Part Used:     | Root             | Extraction Solvent | Water & Ethanol          |

| Item                       | Specification   | Result        | Method            |
|----------------------------|---|---------------|-------------------|
| Assay                      | Rosavins $\geq 3\%$<br>Salidroside $\geq 1\%$   | 3.02%<br>1.2% | HPLC<br>HPLC      |
| Identification             | Identical to RS sample  | Identical     | HPTLC             |
| Appearance                 | Brown Powder  | Complies      | Organoleptic      |
| Particle Size              | 95% Through 80mesh  | Complies      | USP<786>          |
| Bulk Density               | 40-75g/100ml  | 50.5g/100ml   | USP<616>          |
| Loss on Drying             | $\leq 5.00\%$   | 2.95%         | USP<731>          |
| Ash                        | $\leq 5.00\%$   | 0.81%         | USP<281>          |
| Heavy Metals               | $\leq 10\text{ppm}$   | Complies      | USP<231>          |
| Lead(Pb)                   | $\leq 2.0\text{ppm}$  | Complies      | Atomic Absorption |
| Arsenic(As)                | $\leq 2.0\text{ppm}$  | Complies      | Atomic Absorption |
| Cadmium(Cd)                | $\leq 1.0\text{ppm}$  | Complies      | Atomic Absorption |
| Mercury(Hg)                | $\leq 0.1\text{ppm}$  | Complies      | Atomic Absorption |
| Solvents Residue           | $\leq 5000\text{ppm}$   | 27ppm         | GC                |
| Pesticides Residue         | Meet EP Requirements  | Complies      | USP34             |
| Total Plate Count          | $\leq 1,000\text{cfu/g}$  | Complies      | USP<2021>         |
| Yeast & Mold               | $\leq 100\text{cfu/g}$  | Complies      | USP<2021>         |
| Coliform Bacteria          | $\leq 10\text{cfu/g}$   | Complies      | USP<2022>         |
| Salmonella                 | Absent  | Complies      | USP<2022>         |
| Staphylococcus aureus      | Absent  | Complies      | USP<2022>         |
| <b>PACKING&amp;STORAGE</b> | Packed in a polyethylene lined corrugated package<br>Stored in a well-closed container away from light, heat and moisture |               |                   |
| <b>SHELF LIFE</b>          | Net Weight: 25KG /drum<br>24months if sealed and stored properly  |               |                   |



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