

Rhodiolife®

REACHING NEW HEIGHTS IN RHODIOLA QUALITY AND SUSTAINABILITY



PHYSICAL & MENTAL STRESS

NOW AVAILABLE FROM SUSTAINABLE,
CULTIVATED ROOTS

When it comes to *Rhodiola rosea*, identity and sustainability matter to your customers

Rhodiolife Fast Facts:

- Consistent, standardized extracts
- Sourced from the Altai Mountains
- Full ID Assessment and Traceability
- Sustainable, socially responsible
- Cultivation program in place
- Secure supply
- Three published clinical studies
- Self-affirmed GRAS
- Water-soluble

Rhodiola rosea – a true adaptogen – has long been valued as support for sustained energy, improved stamina and faster recovery. It has also been studied as cognitive support, reducing fatigue and stress while enhancing mood. Today it is finding its way into active nutrition and cognitive support products.

Rhodiolife® from PLT Health Solutions is a premium *Rhodiola rosea* ingredient. Its unique composition consistently provides the spectrum of compounds found in the root of the plant that is responsible for its biological activity – including rosavin, rosarin, rosin and salidroside. With Rhodiolife, not only is the percentage of the primary actives – rosavin and salidroside – the same as the root, but so is the ratio of actives. Now available from sustainable, cultivated roots, Rhodiolife is third-party verified for traceability and ingredient identity. Rhodiolife is also available in a water-soluble form that functions effectively in beverages. This opens up a world of possibilities for its use in novel delivery systems





GROWTH THROUGH INNOVATION



PLT
HEALTH SOLUTIONS

THE INDUSTRY'S MOST RIGOROUS IDENTITY AND SUSTAINABILITY PROGRAMS

To ensure ingredient identity and batch-to-batch consistency, the Quality Assurance program for Rhodiolife employs multiple, complementary methodologies with thoughtful selection of suitable reference markers for positive product identification. The Nektium ID Assessment Program features macroscopic and sensorial analysis, the development of chromatographic profiles and independent DNA barcode analysis to ensure the authenticity of the raw material. The material is then standardized to provide precise levels of bioactive compounds. The resulting HPLC 'fingerprint' of the Rhodiolife extract is consistent from batch to batch and matches with that of the native root.

 <h3>Macroscopic ID</h3> <p>Visual and organoleptic characterization</p> <p>Morphological analysis</p> <p>Identification with authenticated or in-house plant reference material</p>	 <h3>DNA barcode</h3> <p>Isolate DNA from plant</p> <p>Amplify DNA by PCR</p> <p>Sequence PCR product</p> <p>Analysis performed by accredited 3rd party laboratories</p>	 <h3>HPLC fingerprint</h3> <p>Validated HPLC-DAD methods</p> <p>Primary analytical standards for ID</p> <p>ID matching of phytochemical profiles: raw material and final product</p>	 <h3>HPTLC</h3> <p>Photo-Documentation</p> <p>ID matching: raw material and botanical extracts</p> <p>Validated HPTLC test methods</p> <p>Analysis performed by accredited 3rd party laboratories</p>
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The Move to Cultivation

Rhodiolife is the subject of one of the industry's first commercial scale cultivated programs for *Rhodiola rosea* roots as source materials for its extracts. The result of more than a decade of effort, the project has achieved a physical and phytochemical profile identical to previously supplied wildcrafted material. This cultivation program will address concerns that crop up with all wildcrafted botanicals from time to time, including harvest size, security of supply, the phytochemical composition of wild-harvested materials and sustainability.



Certified for Sports Grade

PLT is proud to offer the first Certified for Sports Grade *Rhodiola rosea*. The Banned Substances Control Group (BSCG) tests and certifies Rhodiolife against 272 drugs and substances banned by sports organizations.

* THESE STATEMENTS HAVE NOT BEEN EVALUATED BY THE FOOD AND DRUG ADMINISTRATION. THIS PRODUCT IS NOT INTENDED TO DIAGNOSE, TREAT, CURE, OR PREVENT ANY DISEASE.

Contact PLT Health Solutions for samples and more information.
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Product Developed By

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