



## Technical Data sheet

**Product Name:** Rhodiola Rosea Extract  
**Botanical source:** *Rhodiola rosea L.*  
**Active ingredients:** Salidroside (Rhodioloside), Rosavin  
**CAS#:** 10338-51-9(Salidroside), 84954-92-7(Rosavin)  
**Specification:** 1%-5% Salidroside, 3% Rosavin  
**Grade:** Health-care product grade  
**Part used:** Root  
**Appearance:** Brownish red powder  
**Test method:** HPLC



### Introduction:

Rhodiola has a legendary history dating back thousands of years. The Vikings depended on the herb to enhance their physical strength and endurance, while Chinese emperors sent expeditions to Siberia to bring back "the golden root" for medicinal preparations. The people of central Asia considered a tea brewed from *Rhodiola rosea* to be the most effective treatment for cold and flu. Mongolian physicians prescribed it for tuberculosis and cancer.

Rhodiola comprises several species of plants in the Crassulacea family and is generally found in the arctic mountain regions of Siberia. The root of the plant is used medicinally and is also known as "Arctic root" or "Golden root" and more recently as "Crenulin". Rhodiola has been used for hundreds of years to treat cold and flu-like symptoms, promote longevity and increase the body's resistance to physical and mental stresses.

Rhodiola is typically considered to be an "adaptogen" and is believed to invigorate the body and mind to increase resistance to a multitude of stresses. The key active constituents in Rhodiola are believed to be rosavin, rosarin, rosin and salidroside.

*Rhodiola rosea* extract is thought to be quite safe. There are no known contraindications or interactions with other drugs/herbs, but there is some potential for allergic reactions in some individuals.

### Function:

1. To improve immunity and enhance physical fitness;
2. To improve hematopoietic function;
3. Anti-aging, anti-tumor, anti-fatigue, lowering blood sugar and anti-virus effects;
4. To prevent against altitude sickness, etc.
5. Antidepressant.



**Application:**

1. As Food and beverage ingredients.
2. As Healthy Products ingredients.
3. As Nutrition Supplements ingredients.
4. As Pharmaceutical Industry & General Drugs ingredients.
5. As a health food and cosmetic ingredients.

**Technical specification:**

Product Name	Rhodiola Rosea Extract
Latin Name	<i>Rhodiola rosea L.</i>
Part used	Root
Country of Origin	China
<b>ANALYSIS</b>	<b>SPECIFICATION</b>
Appearance	Brownish red powder
Odor/Taste	Characteristics
Partical Size	100% through 80 meshes
Loss on Drying	≤5.0%
Ash	≤5.0%
Assay (HPLC)	1%-5% Salidroside, 3% Rosavin
Heavy Metals	≤20ppm
As	≤2.0ppm
Pb	≤3.0ppm
Hg	≤0.1ppm
<b>Microbiological</b>	
Total of bacteria	≤10000cfu/g
Yeast & Molds	≤1000cfu/g
Salmgosella	Negative
Coli	Negative

**Packaging Details:**

Package: 25kgs/fiber drum, inner with double-layer plastic bags.

Storage: Store in cool & dry place, do not freeze, and keep away from direct strong light.

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