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Resveratrol Longevity

Data Sheet

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Cell Protection & Anti-Aging

Microencapsulated trans-resveratrol from plant extracts, derived from Japanese knotweed root.

At the forefront of cell research & longevity: Resveratrol

Our bodies are exposed daily to millions of free radicals generated by stress, environmental toxins, UV radiation, inflammation, and more. Japanese knotweed is also constantly exposed to these stressors — and resveratrol is its natural response.

- Fully potent RESROX® 98 trans-resveratrol
- Extracted from Japanese knotweed
- One of nature's most powerful antioxidants
- BMT® technology for maximum absorption
- 100% free from sugar & additives

What is Resveratrol Longevity?

artgerechts resveratrol is a high-dose supplement with 500 mg of trans-resveratrol (the bioactive form) per daily serving. The formula combines two premium sources: fast-acting **RESROX® 98 trans-resveratrol** from **Japanese knotweed extract** and microencapsulated **BMT® resveratrol** with high bioavailability. This synergy enables both rapid & efficient absorption as well as a sustained time-release effect throughout the day.

Thanks to the patented Biostile Microencapsulation Technology® (BMT®), the resveratrol is stabilized and microencapsulated (liposomally) using a special **low-temperature process**, allowing for particularly effective absorption by the body. The **microencapsulation** also ensures a delayed release of the active ingredient in the body, protecting it from rapid breakdown. This results in a consistent active level throughout the day.^{4,5}

Resveratrol is **vegan**, **lactose-free**, **lab-tested**, and manufactured in the EU. As a high-quality resveratrol capsule product, it is ideal for daily use by anyone seeking a food supplement with maximum purity, scientific technology, and targeted effectiveness.

Why Resveratrol Longevity from artgerecht?

- Ultra-pure and highly concentrated plant extract
- High dose: 500 mg of pure resveratrol per daily serving
- Produced using a patented low-temperature process
- BMT® microencapsulation technology for increased bioavailability and consistent release in the body
- With RESROX® 98: 98%+ trans-resveratrol from premium Japanese knotweed extract
- Vegan, lactose-free & lab-tested
- Made in Europe

Scientific background to Resveratrol Longevity?

Trans-resveratrol is a **natural polyphenol** found primarily in the skin of red grapes, berries, peanuts, and **Japanese knotweed**. It belongs to the group of **secondary plant compounds** and has been scientifically studied for decades. Studies show that trans-resveratrol acts through several molecular signaling pathways, including the activation of **sirtuins**, especially **SIRT 1,2**. Sirtuins are among the most extensively researched enzyme families in molecular biology and have gained increasing public attention through the publications of Harvard professor **Dr. David Sinclair**, whose research focuses on **longevity**.³

Why microencapsulation (BMT®) is crucial:

A central issue with conventional resveratrol products is their low bioavailability. Only a small amount of the active ingredient reaches the bloodstream unimpeded. However, thanks to innovative microencapsulation technologies like **BMT® technology**, resveratrol is released continuously and absorbed significantly better by the body. In combination with a high-dose intake of 500 mg, this technique allows for **improved absorption** in the small intestine, protects the active ingredient from premature degradation, and ensures a steady, physiologically effective concentration of resveratrol in the bloodstream.^{4,5}

Frequently Asked Questions

What are natural polyphenols and why are they important?

Polyphenols are secondary plant compounds found in fruits, vegetables, herbs, teas, red wine, and certain roots. They serve as defense mechanisms for plants against pests, UV radiation, and environmental stress. Particularly high concentrations are found in plants that must thrive in challenging environments. A well-known example is Japanese knotweed, which grows under extreme conditions such as rocky soil, intense sunlight, and temperature fluctuations. In response to this stress, the plant produces especially large amounts of secondary plant compounds and polyphenols, including resveratrol.

What distinguishes trans-resveratrol from regular resveratrol?

In chemistry, molecules are often distinguished by their cis- and trans-forms. These configurations describe different spatial arrangements of hydrogen atoms around a double bond. Trans-resveratrol is the nature-identical and more stable form, as the hydrogen atoms are on opposite sides of the bond, providing greater stability. In contrast, conventional cis-resveratrol has both hydrogen atoms on the same side, making it less stable and more sensitive to light and heat. The RESROX® 98 trans-resveratrol used here consists of more than 98% of the active, stable, and effective trans-form.

What makes BMT® resveratrol special?

Through innovative microencapsulation technology, the release of the substance is directed specifically to the small intestine, where nutrient absorption mainly occurs. There, it is broken down by pancreatic enzymes, enabling efficient uptake and significantly increasing bioavailability. At the same time, the technology masks the bitter and unpleasant taste and

improves the overall stability of the product. Conventional preparations often require much higher doses, which can lead to digestive discomfort. The use of BMT® technology is the targeted solution to bypass this issue and allow for good tolerability at an optimal dosage.

Why is bioavailability so important for resveratrol?

Resveratrol is poorly absorbed by the body and is rapidly metabolized, with much of it being broken down in the intestines and liver. This process is known as the 'first-pass effect' and often affects substances in dietary supplements. As a result, conventional resveratrol products may have limited availability in the body. The patented BMT® microencapsulation encloses resveratrol in a protective matrix that helps prevent early degradation in the gastrointestinal tract and allows for delayed, more consistent release. This means a greater portion of the active ingredient can bypass first-pass metabolism and is not immediately broken down in the intestines and liver.³⁴

What distinguishes the combination of BMT® trans-resveratrol and RESROX® 98 trans-resveratrol from Japanese knotweed extract?

This combination makes the product unique by uniting two sources of trans-resveratrol. RESROX® 98, a highly pure extract from Japanese knotweed root, is paired with microencapsulated trans-resveratrol in an innovative formulation that enables gradual release and extremely high absorption. This carefully designed synergy leads to sustained and stable delivery in maximum quality.

Resveratrol - What Really Matters

Resveratrol is a plant-based polyphenol commonly used in dietary supplements (supplements) for its antioxidant, cell-protective, and potentially life-extending properties. Chemically, it exists in two forms: trans-resveratrol and cis-resveratrol. The term esveratrol\ alone is unspecific and includes both isomers. However, high-quality supplements specifically use trans-resveratrol, as this form has shown the highest bioactivity and stability in studies - particularly regarding the activation of sirtuins, mitochondrial function, and cellular protection. **Cis-resveratrol**, on the other hand, is significantly less biologically active and less stable. It is usually formed by the conversion of the trans-isomer when exposed to light or heat. In supplement manufacturing, the rule is: the higher the content of pure trans-resveratrol, the more effective and higher-quality the product. Products with an undefined esveratrol\ label often contain mixed forms or inferior raw materials. Therefore, when purchasing, it is important to look for a precise declaration (\min. 98% trans-resveratrol\), ideally from a plant-based source.

Ingredients

BMT® resveratrol extracted from the root of Japanese knotweed (*Polygonum cuspidatum*), capsule shell (hydroxypropylmethylcellulose), stabilizer (gum arabic).

Content	Per Daily Dose (2 Capsules)
Total resveratrol (trans-)	500 mg
BMT® resveratrol	428 mg
- of which resveratrol (trans-)	128 mg
Japanese knotweed	380 mg
- of which resveratrol (trans-)	372 mg

Recommended intake

Take 2 capsules daily, one with 150 ml of water at breakfast and one at dinner.

Additional information

- SKU/MPN: 15116
- Content: 60 capsules
- Net filling quantity: 32g
- EAN/GTIN: 4260656121054
- PZN (DE): 19945631
- PZN (AT): 5980635
- Customs tariff number: 21069098
- Origin: SI
- Version: 05.12.2025



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