

Easy to Incorporate in Food and Beverage Formulations

Bioenergy Ribose

- It is easily soluble and dissolves in most food systems.
- It is slightly sweet with no aftertaste.
- It is stable in most pH ranges common in food, from acidic to neutral to alkaline.
- It contains a reducing sugar that participates in the browning or the Maillard reaction in food systems, especially upon heating.
- It is compatible with many ingredients and systems including:
 - other sugars, carbohydrates, fibers, and sweeteners in formulations;
 - fats and oils found in food; and
 - chocolates and coatings.
- It is a simple, 5-carbon monosaccharide that lowers blood sugar.

RiaGev

- It is slightly sweet with no aftertaste.
- It is stable in most pH ranges common in food, from acidic to neutral to alkaline.
- It contains a reducing sugar that participates in the browning or the Maillard reaction in food systems, especially upon heating.
- It is compatible with many ingredients and systems including:
 - other sugars, carbohydrates, fibers, and sweeteners in formulations;
 - fats and oils found in certain foods; and
 - chocolates and coatings.
- It contains a simple, 5-carbon monosaccharide that lowers blood sugar and also provides a source of vitamin B3.

The Highest Standards in the Industry

Our ingredients represent years of careful research, clinical studies, and product development. Continuous and rigorous quality assurance tests are conducted to meet customers' needs and to assure them of our products' consistent and reliable quality.

Our Advantage

- ONLY Ribose that is FDA certified as GRAS (Generally Recognized As Safe)
- Tested and certified to be of highest purity
- Only branded and patented Ribose on the market
- Clinically proven
- Kosher and Halal
- Non-GMO (Project Verified)



Applications for Product Development

Bioenergy Ribose and RiaGev are easily incorporated into most food and beverage formulations. Application categories include:

- Bakery
- Beverages
- Confectionaries
- Dairy
- Cereal

The most popular items for beverages include sports, energy and coffee drinks as well as fortified waters and teas. Protein, granola and energy bars, chocolates, and gummies are the most common among food formulations. But the use is spreading quickly to dairy products, juices, and baked goods. Formulators find it easy to work with both ingredients.



Functional Ingredients for Healthier Foods and Beverages



Ingredients for Healthier Living™

info@bioenergyls.com
www.bioenergylifescience.com
877.474.2673

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Create and Innovate

The mission of Bioenergy Life Science, Inc. (BLS) is to create innovative, scientifically proven ingredients that help people feel, perform, and look better. Our patented and branded ingredients are developed with the idea that they will be formulated into functional foods and beverages. Our two main ingredients, Bioenergy Ribose® and RiaGev™, are very easily incorporated into any formulation and will enhance any product's functionality and profile.



About Bioenergy Ribose

Bioenergy Ribose is a 5-carbon sugar that is made naturally in every cell in your body and is the building block of adenosine tri-phosphate (ATP), the source of all cellular energy. Because the process of making Ribose is very slow, it is hard for your body to build up any energy stores. Therefore, foods and beverages made with supplemental Bioenergy Ribose can help increase those pools of energy.

The benefits of Bioenergy Ribose include providing more natural and sustainable energy. This complements what consumers are looking for today. Growing numbers of consumers report that fatigue and the drain of everyday life is a general problem. But they don't want energy stimulants that eventually end in a crash. Supplementing with Bioenergy Ribose is a natural way to build prolonged energy and prevent the crash.

The benefits of Bioenergy Ribose go well beyond creating sustainable energy. See the section on "Benefits" to learn more.



About RiaGev

RiaGev is the first and only commercially available proprietary compound uniquely combining Bioenergy Ribose and a form of Vitamin B3. It is distinctly formulated to enter the salvage pathway directly to more efficiently increase nicotinamide adenine dinucleotide (NAD) in the body as well as increase the flow of energy (i.e. ATP) at the cellular level.

Why is It Important to Increase NAD?

- NAD is a coenzyme and essential metabolite in all human cells.
- NAD plays a key role in cellular metabolism and energy production.
- NAD is vital for mitochondrial health.
- NAD is a rate-limiting co-substrate for sirtuins (longevity regulators), which play key roles in the calorie restriction (CR) method for life extension and exercise response.
- NAD levels decrease during aging.
- High NAD levels are essential for DNA repair and recovery in a health crisis.
- NAD activates CD38, which is present on all immune cells.

Benefits of Our Branded Ingredients

Bioenergy Ribose and RiaGev work at the cellular level, creating benefits that help people feel, perform, and look better.

Our ingredients:

- Promote mitochondrial health;
- Increase sustainable energy in heart and muscle tissues;
- Support healthy aging;
- Slow cellular aging;
- Improve athletic performance;
- Increase muscle endurance;
- Stimulate healthy cellular metabolism;
- Support cardiovascular health;
- Lower cholesterol;
- Foster weight management;
- Promote healthier skin;
- Serve as an anti-inflammatory;
- Reduce age-related cognitive decline; and
- Promote DNA repair and recovery during a health crisis.

