Akkermat™

The Power of Nature and Innovation for Weight Management and Metabolic Health

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personalizing medicine

Akkermat™

General Information

- **Premium Formulation:** Akkermat™ combines a chili pepper extract, encapsulated in a fiber-rich fenugreek extract matrix using FENUMAT technology.
- **Potent Bioactives:** Akkermat™ contains at least 2% of powerful capsaicinoids including capsaicin, dihydrocapsaicin, and nordihydrocapsaicin.
- **Biological Activity:** Capsaicinoids, mainly capsaicin, act as a metabolic activator influencing several pathways, genes, and proteins involved in interconnected processes that impact energy metabolism.
- **Sustained-release effect:** Akkermat™ thanks to its unique formulation offers a controlled release, ensuring a sustained, lasting effect and improved bioavailability.

Key Benefits

- **Metabolic Health Support and Weight Management:** Akkermat™ harnesses the metabolism-boosting power of **capsaicinoids** that promote thermogenesis and energy expenditure, adding to weight loss. The study with a formulation of a chili pepper extract encapsulated in a fiber-rich fenugreek extract matrix exhibited a dose-dependent increase in energy expenditure, respiratory quotient, and fat oxidation, ultimately leading to a reduction in body weight.[1]
- **Cholesterol Management:** Capsaicinoids intake is associated with the reduction of lipid oxidation and lower LDL cholesterol levels.
- **Appetite Regulation:** Capsaicinoids may affect hormones that help curb appetite and enhance satiety.
- **Gut Health Modulation:** Akkermat™ may positively influence gut microbiota composition and intestinal mucus production.
- **Antioxidant and Anti-Inflammatory Effects:** Capsaicinoids exhibit antioxidant properties, scavenging free radicals and potentially reducing inflammation in adipose tissue.

Recommended Use, Dose, and Safety

- **Dietary Supplements** targeting metabolic health and weight management, at a daily dosage ranging from 100-300 mg, equivalent to 2 to 6 mg of capsaicinoids.
- This product can be provided in various forms such as capsules (including sustain-release capsules), sachets, and tablets.
- For enhanced metabolic management, consider combining Akkermat™ with other synergistic nutrients.
- **Safety:** Akkermat™ and its ingredients are safe and well-tolerated when used as recommended but intake of capsaicinoids is contraindicated in individuals with digestive issues, pregnant and lactating women, and children.
- It is generally recommended to consume capsaicinoid-containing supplements with food rather than on an empty stomach.

For more product information, see the Akkermat™ product brochure.

Specifications

Ingredients	Chili pepper fruit extract *(Capsicum annum),* debittered fenugreek seed extract *(Trigonella foenum-graecum)* rich in soluble dietary fiber, cellulose powder
Total Capsaicinoids (capsaicin, dihydrocapsaicin, nordihydrocapsaicin)	≥2%
Additives/Excipients	Sunflower lecithin
Appearance	Free-flowing beadlets
Color	Light yellowish brown
Residual solvents	Ethanol, acetone (fulfills EU standards)
Other	Gluten-free, Vegan, Kosher, Halal, Non-GMO
Shelf-life	24 months when stored in tightly sealed containers, at 20-30°C, protected from direct sunlight

Fagron goes beyond being just a supplier of ingredients; we are relentlessly consumer-centric. Our commitment to innovation is ingrained in everything we do for our partners, making us pioneers in shaping the future of personalized health. Our unwavering dedication to simplifying science expedites the journey from concept to consumer, empowering you to introduce purpose-driven nutraceutical and cosmetic solutions to the market swiftly.

When you collaborate with Fagron for personalized health solutions, you gain an inventive, purpose-driven, end-to-end partner. We draw inspiration from the most crucial health requirements of consumers to deliver your next product with a clear purpose in mind.

To learn more about Fagron, visit www.fagron.com.

1. Roopashree N, Syam DS, Krishnakumar IM, Mala KN, Fleenor BS, Thomas J. A natural sustained-intestinal release formulation of red chili pepper extracted capsaicinoids (Capsifen®) safely modulates energy balance and endurance performance: a randomized, double-blind, placebo-controlled study. Front Nutr. 2024 Mar 20;11:1348328.

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