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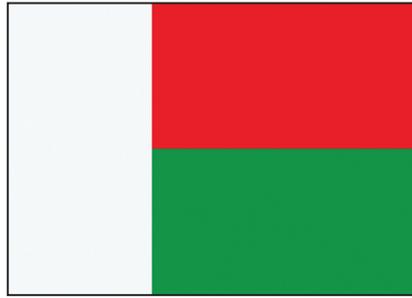
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Synergy Flavors Builds Two New Schools in Madagascar

Synergy Flavors, Inc. (Wauconda, IL) has announced the completion of two new primary schools in Antohomaro and Farahalana, Madagascar. The two facilities mark the second pair of schools Synergy Flavors has funded in Madagascar. The first two schools were built near Sambava, Madagascar in 2016. This initiative is a way for the company to give back to the underserved community of growers and processors who have been at the heart of Synergy Flavors' success for decades.

Synergy Flavors once again worked with the Madagascar Development Fund (MDF) to build the two schools. The schools were built to replace two others that were destroyed by Cyclone Enowa early in 2017, a cyclone that destroyed much of the region's infrastructure.

"One of MDF's main objectives is to reduce poverty by providing communities with self-sustaining tools, such as education and schools," said Brian Donaldson, past British ambassador to Madagascar and patron of the



Madagascar Development Fund. "Thanks to Synergy Flavors' funding, we are able to provide two more towns with access to educational resources and skill development tools that will improve the lives of children, who will one day become leaders in their communities."

Madagascar has a historically challenged economy, where more than 80 percent of the population has an income of less than one dollar per day, according to MDF. Antohomaro and Farahalana are located in the SAVA region, which produces nearly 80 percent of the world's vanilla beans. As a

major producer of vanilla extracts and flavors, Synergy Flavors chose to invest in the future of a region that has provided so much to the flavor and ingredient industry.

"Synergy Flavors believes the key to innovation and success is starting with the right foundation," said Rod Sowders, president and CEO of Synergy Flavors. "Education is a significant portion of that foundation. By building schools in areas that lack a direct avenue to education, we are creating a strong foundation for Malagasy children and driving transformative change throughout the entire community."

With construction completed, the two schools will now begin to accept children for classes. These schools will put young children on the right path to a more promising future and will provide many of them with access to education for the first time in their lives.

The inauguration of the schools is expected to take place later this year.

For more information, visit www.synergytaste.com.

Biova and Stauber Performance Ingredients Form Partnership

Supplement brand owners and formulators who are looking for expanded delivery options for their joint health and beauty from within products can now ask their Stauber (Fullerton, CA) sales contact about Biova's (Johnston, IA) water-soluble eggshell membrane ingredients. Biova's ingredients are for joint health in humans (BiovaFlex) & pets (BiovaPlex), as well as for beauty-inside-out (BiovaBIO).

"Stauber's mission to supply high-quality ingredients and innovative solutions with an exceptional level of customer service was a driving factor in choosing them as our partner," said Biova CEO Pat Schneider. "We have been very impressed by the Stauber team and are excited about the exposure and awareness that Stauber can bring to our ingredients."

"Biova's ingredients are a great fit with our existing portfolio," noted Shirley Rozeboom, senior vice president for Stauber. "The Biova ingredients align alongside our key Stauber products with transparency and vertical integration of sourcing and manufacturing. Customers searching for scientifically backed ingredients for joint health, beauty, paleo and ketogenic formulations will benefit from incorporating Biova's ingredients into their product lines."

For more information, visit www.biova.com or www.stauberusa.com.

CK Nutraceuticals Invests in Branded Ingredients and Expansion in U.S.

CK Nutraceuticals recently unveiled plans for rapid growth in the U.S. market, including significant partnerships, and an ongoing commitment to its branded ingredients.

Headquartered in Canada, CK Nutraceuticals has offered proprietary ingredients for the dietary supplement industry for more than 10 years. Following its entry into the U.S. market in late 2016, the company has experienced substantial growth in North America. The company made its debut in the U.S. with patented raw materials including EstroG-100, KitoMax and Deep Ocean Minerals, and will continue to introduce value-added products to address the needs of its U.S. client base.

"We are highly encouraged with the response to our offering in the U.S. as we work to continue the momentum we have experienced in the Canadian market," said Michael Chernyak, president of CK Nutraceuticals. "We are building on our established reputation for delivering products that are backed by science, manufactured under the strictest quality controls, and have demonstrated effectiveness in supporting specific health needs."

CK Nutraceuticals has forged several strategic relationships, most recently partnering with Ideal Living (Sherman Oaks, CA) with exclusivity for marketing a condition-specific ingredient in the U.S. direct-response channel. Ideal Living has a dominant presence in DRTV and retail markets. This collaboration is among other initiatives to expand CK Nutraceuticals' efforts in the marketplace.

For more information, visit www.ckingredients.com.

Frutarom Acquires AB-Fortis, a Patented Micro-encapsulation Iron

Israel-based Frutarom announced the acquisition, via one of its subsidiaries, of the AB-Fortis activities including a patent-protected micro-encapsulation technology that enables delivery of iron with increased biological absorption.

AB-Fortis is an advanced encapsulated iron system for delivering the recommended daily amount of iron in a single dose. It helps consumers avoid the common negative aspects and side effects of iron supplements, including metallic aftertaste, dental darkening, gastrointestinal upset and nausea. AB-Fortis iron can be incorporated into fat-rich matrices, such as milk or yogurt, without causing oxidation. It is heat- and pH-stable. It will not accelerate oxidation of other

components of a formulation, such as folate or omega-3 fatty acids. This makes it ideal for functional foods, infant nutrition and food supplements.

Iron deficiency constitutes a global health problem in developed and developing countries alike, and is particularly prevalent in children under the age of 6, for whom iron deficiency is associated with impaired psychomotor and cognitive development, as well as in pregnant women suffering from excess fatigue due to iron

deficiency. Among these groups, the percentage of population suffering from iron deficiency reaches 20 percent in developed countries and up to 60 percent in some developing countries.

Frutarom acquired the technology and expanded its activity in the market after four years of experience developing applications in a wide range of food and beverage products.

For more information, visit www.frutaromhealth.com.

AB-FORTIS®

Deep Ocean Minerals Study Shows Improved Exercise Recovery in Men

CK Nutraceuticals (Canada), a North American supplier of science-based nutraceutical raw materials, announced a new study supporting its Deep Ocean Minerals (DOM) for improving cerebral hemodynamic response during workout as well as improved exercise recovery.



The study, "Deep Ocean Mineral Supplementation Enhances the Cerebral Hemodynamic Response during Exercise and Decreases Inflammation Postexercise in Men at Two Age Levels," was published in *Frontiers in Physiology* on December 12, 2017. Researchers Wei C-Y, Chen C-Y, Liao Y-H, Tsai Y-S, Huang C-Y, Chaunchaiyakul R, Higgins MF and Kuo C-H conducted double-blind placebo-controlled studies in young and middle-aged men aged 21 to 48. The study examined cerebral hemodynamic response, or blood redistribution, during physical exertion.

Participants were orally supplemented with DOM or a placebo in drinks before, during and after high-intensity cycling exercise. The flow of blood to the brain was monitored by near-infrared spectroscopy (NIRS). The results suggest that DOM has great promise for improving the delivery of blood to the brain, and supporting post-exercise recovery, particularly in middle-aged men. It observed significant increases in cerebral hemodynamic response during the DOM trial after 15 minutes of cycling.

For more information, visit www.ckingredients.com or www.pdobiotech.com.

New Research Reveals Synergistic Role of Tomato and Rosemary with Lutein

Lycored (New Jersey) announced the publication of its pre-clinical results in the peer-reviewed scientific journal, *Molecular Vision*. Within the paper, scientists unearth the powerful biological synergy that exists between the ingredients found in LycoInvision, Lycored's Nutrient Complex for Vision Health.

Due to the successful results from the pre-clinical *ex vivo* study, designed to assess the effect of LycoInvision on immune cells from patients with AMD (age-related macular degeneration), Lycored will be continuing its research program proceeding with a clinical study.

The research, funded by Lycored and carried out by scientists at Hadassah-Hebrew University Medical Center in Israel, highlights how adding the phytonutrient combination of tomato and rosemary to the already well-researched AREDS composition, can better balance the cellular response to different challenges and modulate specific biomarkers and key processes affecting eye health.

To arrive at their findings, monocyte immune cells were separated from the blood of patients with AMD (both men and women) and matured to macrophages (polarization to classic (M1) and alternative (M2) phenotypes). From there, each patient's cells were treated with different combinations of nutrients, revealing the most potent combination to be the one containing lycopene and carnosic acid in addition to the well-researched lutein/zeaxanthin and AREDS minerals zinc and copper. This combination was shown to boost overall natural protection mechanisms against different stresses and provide antioxidant protection.

For more information, visit www.lycored.com.