

■ Press Information

Feed additives for Bio Security and Gut Health

Functional lipid toolbox supports natural pathogen control and efficient husbandry

Hamburg (Germany), June 2021: Berg + Schmidt Animal Nutrition, experts in functional lipids, have developed the LipoVital product range consisting of easily combined nutritional feed additives proven to not only support gut health and the immune system of livestock animals, but also reduce the level of pathogens. As the components are based on various monoglycerides, medium-chain fatty acids and medium-chain triglycerides, this is an entirely natural means of bio security. Available in liquid and powder form, the feed additives contribute to efficient farm management, as well as animal welfare and sustainable handling of livestock breeding.

To develop the natural LipoVital compounds, Berg + Schmidt focused on research demonstrating that functional lipids can improve gut health, as well as the mucosal immune response, and therefore protect animals against toxins and other harmful metabolites. Thanks to their chain length and unique structure, medium-chain fatty acids (MCFA), monoglycerides (MCM) and triglycerides (MCT) have the ability to act as antimicrobial, antiviral, antifungal and anti-inflammatory agents.

A trial with broilers at the University of Rostock confirmed the excellent effect of LipoVital on *Clostridium perfringens*. Both the intestinal flora and the performance parameters were positively influenced. Studies at the Pipestone Applied Research Institute and the Cornell University Animal Health Center also demonstrated the high antiviral activity of LipoVital monoglycerides fighting Porcine Epidemic Diarrhea virus (PEDv) and Porcine Reproductive and Respiratory Syndrome virus (PRRSv). A study with *Penaeus vannamei* shrimp,

conducted at Bangkok's Kasetsart University, confirmed that LipoVital Protect Aqua, a special combination for aquacultures, could improve growth, survival, immune response and intestinal bacteria composition in shrimp. Furthermore, LipoVital also reduced the number of *Vibrio* spp.

Christian Cordts, Product Manager Feed Additives at Berg + Schmidt, says:

“Today’s task for successful livestock management is to increase efficiency while at the same time safeguarding consumers, animals and the environment. With our toolbox of natural and proven functional lipids, we can help optimize biosecurity and through prophylaxis minimize the spread of diseases.“

About Berg + Schmidt

The Berg + Schmidt GmbH & Co. KG offers the development and production of optimised ingredients for animal nutrition, cosmetics and oleochemistry. The portfolio stretches from BergaFat fat powder to lecithins and LipoVital functional lipids. The product portfolio benefits from nearly 70 years of comprehensive expertise, continuous research and a clear service orientation towards the customer. As a subsidiary of the independent, owner-managed Stern-Wywiol Gruppe with a total of 12 sister companies, Berg + Schmidt benefits from various synergies. The company profits of the combined know-how of some 100 R&D specialists in the large Stern Technology Center in Ahrensburg with its extensive application technology. Customers also benefit from the group's international network, consisting of 17 subsidiaries and numerous qualified foreign representatives in the important key markets. Added to this are jointly used production facilities and the group's own logistics. With a turnover of over 500 million euros and about 1700 employees worldwide, the Stern-Wywiol Gruppe is one of the most successful internationally operating companies in the world of "Food & Feed Ingredients".

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