

For Immediate Release

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Arbiom SylPro® Demonstrates Efficacy in Alternative Meat Applications

Proof-of-concept study shows wood-derived protein ingredient for use in food-grade product prototypes

DURHAM, N.C. – June 10, 2020: [Arbiom](#), an AgTech company developing solutions to convert wood into food and feed products, announced today that its first commercial protein ingredient, SylPro®, can successfully be included in alternative meat applications.

Arbiom partnered with a leading extrusion company on a proof-of-concept study to evaluate SylPro for use in human food applications and existing meat alternative products. In the study, SylPro was used in meat analog product prototypes in place of conventional plant-based protein ingredients. In particular, SylPro successfully replaced critical ingredients including soy, pea, and wheat gluten without compromising taste or product quality. The results demonstrate the potential for SylPro to replace ingredients that play a functional role in the final product, such as binding, but may have restrictions due to allergen concerns, in the case of wheat or soy, or sourcing concerns, in the case of egg.

According to the Food and Agriculture Organization of the UN (FAO), protein demand is projected to double by 2050, which will strain the global food supply. Additionally, the livestock industry currently contributes 14.5% of global greenhouse gas emissions, compounding environmental concerns about safely, nutritionally and sustainably supplying the growing demand for protein. These challenges prompt innovation of animal-free alternative protein products that can sustainably fill this demand, such as Arbiom's SylPro, which the company has developed to be produced from a non-food substrate material, wood, via fermentation. Compared to other proteins, SylPro has the lowest GHG emissions per kilogram.

"Arbiom's vision is to offer a new protein ingredient to several markets, with study results showing proven-performance across a wide range of feed and food formulations," said Arbiom CEO, Marc Chevrel. "We are excited to offer SylPro as a viable protein source for companies developing plant-based alternatives to meat and animal proteins," Chevrel said.

About Arbiom

Arbiom is committed to meeting the sharp increase in global food and resource requirements with technology that transforms the most sustainable and readily available carbon source in the world – wood – into intermediate materials for a range of applications in the feed, food, and chemicals industries. Arbiom's technology platform integrates the company's proprietary biomass processing and fermentation expertise to convert wood into a nutritional, sustainable protein source. Arbiom is partnering with biomass stakeholders and leading firms in aquaculture, biotechnology and bio-based industries to continue developing and scaling up its technology. Headquartered in Durham, North Carolina, Arbiom also has an office in Paris, France. To learn more, visit www.arbiom.com

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