SYLPRO

Protein-Rich Ingredient

Superior Sustainable Protein Ingredient for Weanling Pigs

SylPro® is a protein-rich ingredient produced from wood. It is comprised of dried, inactive yeast that is globally-approved for use in feed applications.

SylPro is an excellent protein source thanks to its optimal amino acid profile, high protein content and high digestibility.

Wood to Food Production Platform

Arbiom's Wood to Food technology platform incorporates pre—treatment and fermentation technologies to produce single-celled protein (SCP). The final product is a protein-rich ingredient: SylPro, offering complete traceability from, forest to feed.

SylPro is a nutritional, economical, traceable and sustainable solution to feed the future.

Recommended Application

SylPro is an excellent protein source for use in weanling pig feeds, with its high digestibility and enhanced amino acid profile. The recommended inclusion rate is up to 20%.

Regulatory Approvals

International Feed Number: 7-05-534
US: AAFCO 96.7; FDA 21 CFR Part 172.896
EU (EC): No 68/2013: 12.1.5
CAN: Schedule IV, 7.2.6

Typical Compositional Analysis (% As is)

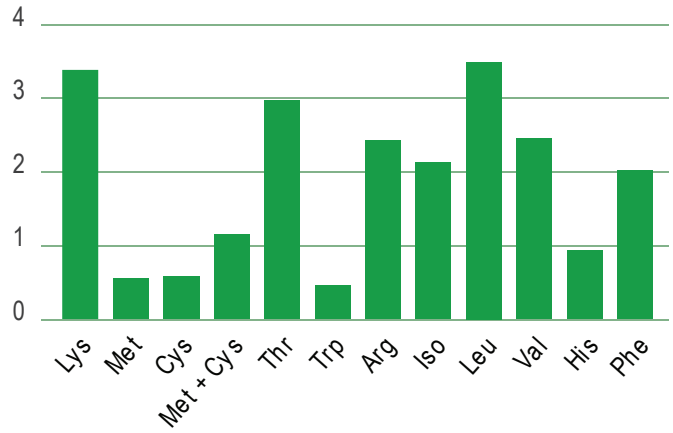
Crude Protein	> 55	Ash	10
Crude Fat	< 1	Ca	*
Crude Fiber	< 1	P	1.5
Moisture	7	Beta Glucans	8.5

*Not a significant source

Key Ingredient Advantages

- High protein content
- Excellent digestibility
- Balanced amino acid profile
- Contains functional fibers
- Performs well in extrusion conditions
- Complete traceability

Total Amino Acid Content (% As is)

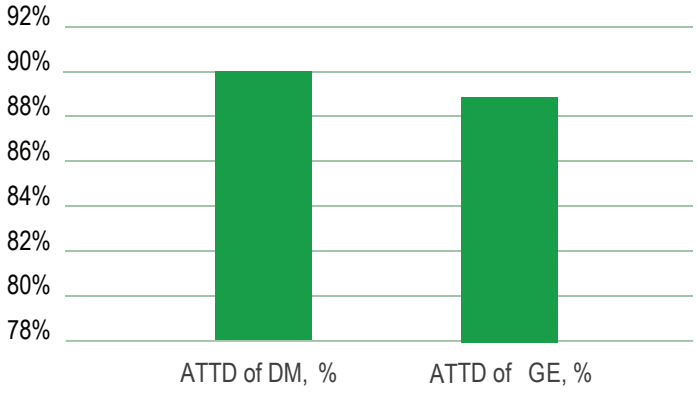


The limiting amino acids in animal production are generally lysine, methionine, threonine, tryptophan and branch chain amino acids, in some order. SylPro is a great source of all of these key amino acids.

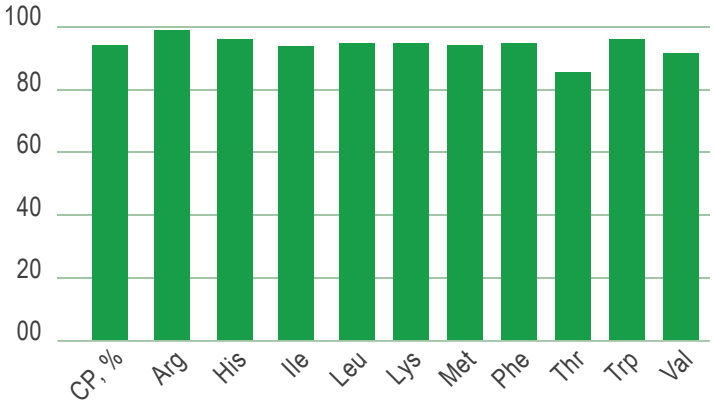
SYLPRO

Summary of Swine Study Results

Apparent Total Tract Digestibility



SylPro Digestibility - Weanling Pig (SID, %)[1]



1) Values for SID were calculated by correcting the values for AID for basal ileal endogenous losses (n = 6).

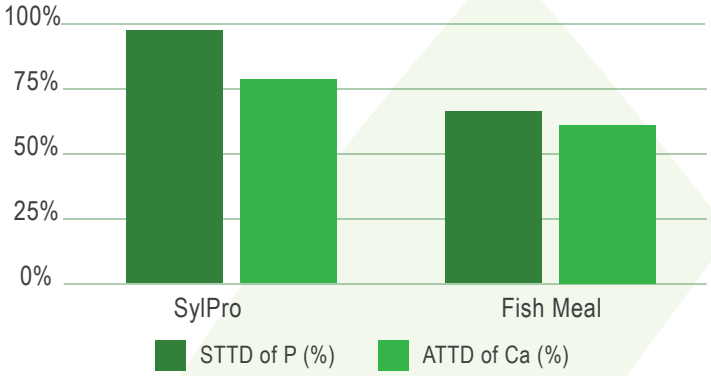
Performance Study Results: SylPro for Weanling Pig Nutrition*

- **No difference to ADG, ADFI, or FCR up to 18% inclusion**
- **No difference to blood chemistry**
- **Contains functional fibers known to promote gut health**

*Research study conducted by The, College of Agricultural, Consumer and Environmental Sciences (ACES) at the University of Illinois (Stein, 2019). Study included Phase 1 and Phase 2, each 28-day trials.

Upcoming trials planned to evaluate gut health benefits of SylPro for weanling pigs.

Phosphorus and Calcium Digestibility in Weanling Pigs: Comparison of Sylpro and Fish Meal



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. Arbiom has US headquarters in Durham, North Carolina, and Europe headquarters in Paris, France. To learn more, visit **www.arbiom.com**

Contact Arbiom to learn more about SylPro for your animal nutrition needs and partnership opportunities.

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