

High-Performance Protein Ingredient

Nutritional, Sustainable Protein for Pet Food

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

Free from grains and common allergens, SylPro is well-suited for limited ingredient or allergen-free diets.

SylPro is an excellent source of protein for use in petfood with its high-protein content, balanced amino acid profile and superior digestibility compared to conventional protein ingredients. SylPro is well-suited for limited ingredient or allergen-free pet food formulations.

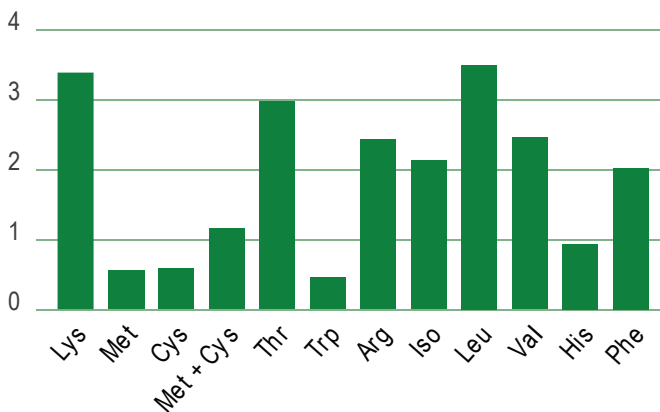
SylPro is a balanced protein, containing all essential amino acids.

Wood to Food Production Platform

SylPro is produced from Wood with technology Arbiom has developed to upcycle wood and agriculture by-products into food. Arbiom's Wood-to-Food technology platform integrates pre-treatment, enzymatic hydrolysis, fermentation and downstream processing to produce protein: SylPro. 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.

Total Amino Acid Content (% As is)



SylPro: Key Benefits for Use in Pet Food

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

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



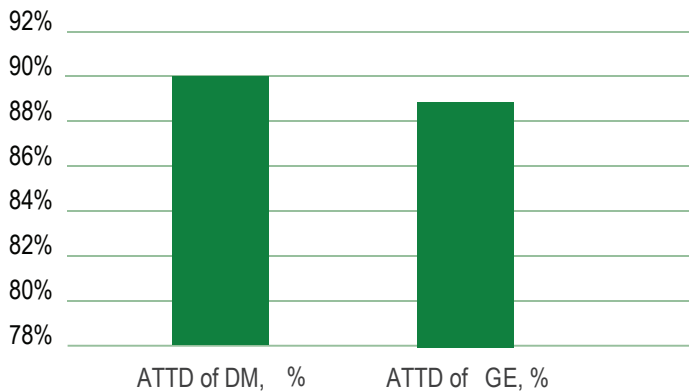
Dog Maintenance Study Results*

Met AAFCO requirements

- ✓ **No dogs removed**
- ✓ **No individual dog lost more than 15% and group did not lose more than 10%**
- ✓ **No clinical or pathological signs of nutritional deficiency or excess**
- ✓ **Excellent protein source for adult dogs**

*26-week AAFCO weight maintenance trial was conducted by Four Rivers Kennel in 2019

ATTD in Young Pigs¹



1) L. Vanessa Lagos, Hans H Stein, Torula yeast has greater digestibility of amino acids and phosphorus, but not energy, compared with a commercial source of fish meal fed to weanling pigs, Journal of Animal Science, Volume 98, Issue 1, January 2020, skz375, <https://doi.org/10.1093/jas/skz375>



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



Recommended Application

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

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.

Regulatory Approvals

- ✓ **US:** AAFCO 96.7; FDA 21 CFR Part 172.896
Labeling: Torula Dried Yeast
- ✓ **EU (EC):** No 68/2013: 12.1.5
Labeling: Torula Dried Yeast
- ✓ **CAN:** Schedule IV, 7.2.6
Labeling: Torula Dried Yeast

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

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