



SYLPRO

Summary of Swine Study Results

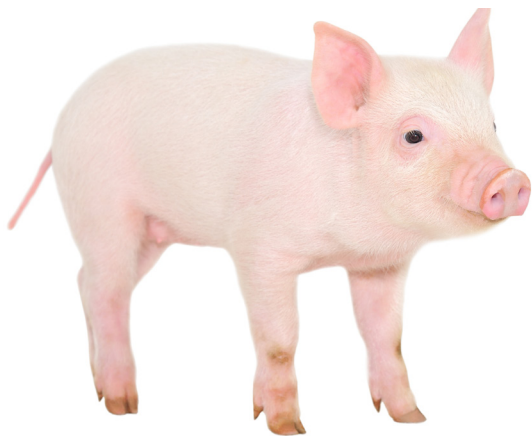


Superior Sustainable Protein Ingredient for Weanling Pigs

SylPro® is a protein-rich ingredient produced from wood via fermentation. It is a yeast single cell protein that is globally-approved as a feed and food ingredient. SylPro is an excellent protein source thanks to its balanced amino acid profile, high protein content, and high digestibility.

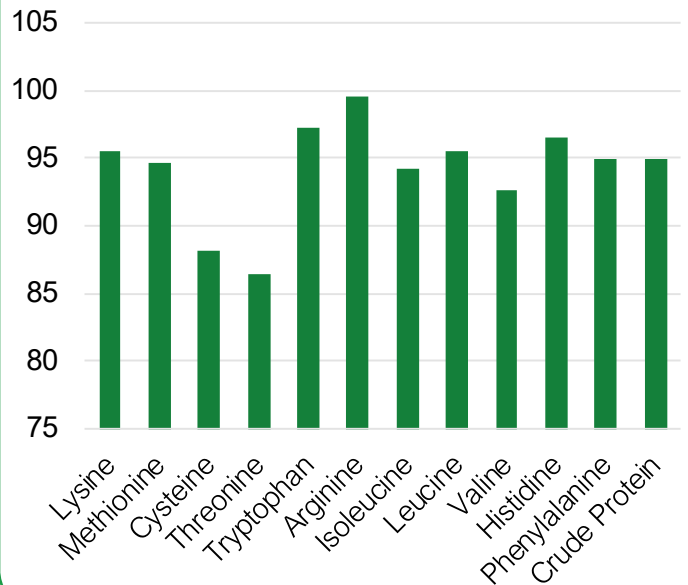
SylPro is a nutritional alternative protein source offering several benefits:

- ✓ High-protein content
- ✓ Balanced amino acid profile
- ✓ High digestibility
- ✓ Excellent performance in extrusion
- ✓ Traceable production process
- ✓ Safe and consistent quality



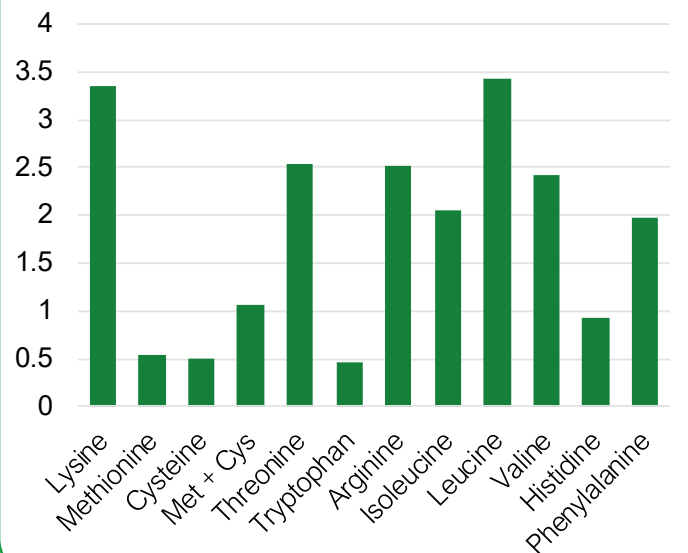
SylPro offers **superior nutritional value, consistent quality, and complete traceability** as an alternative protein source.

Standard Ileal Digestibility Values of AA (%)



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.

Available Amino Acid Content



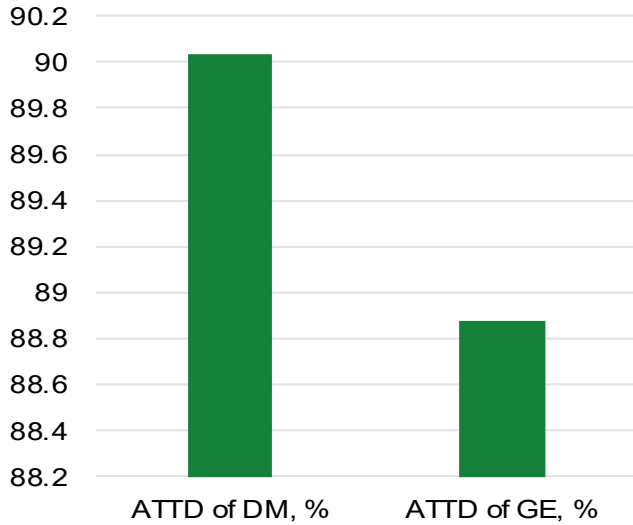


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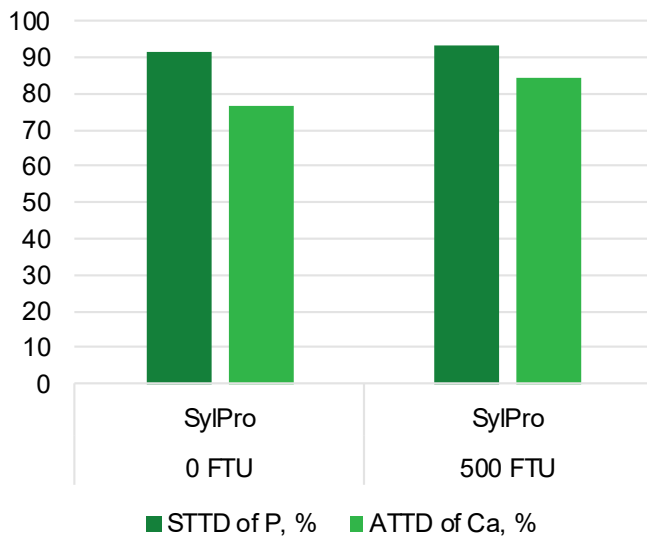
Apparent Total Tract Digestibility



Comparison of Physicochemical Properties: SylPro and Conventional Protein ingredients

	SylPro	Fish meal	Soy Protein Concentrate
Bulk Density (g/cm ³)	0.76	0.56	0.50
Hausner ratio	1.13	1.15	1.11
Angle of Repose (°)	14.5	53.3	51.9

Standard Total Tract Digestibility of Ca/P



ATTD and STTD of P in SylPro were greater than those for fish meal. Phytase inclusion had no effect on response variables.

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%.

Wood to Food Process

Arbiom's bioconversion process integrates pre-treatment, enzymatic hydrolysis and fermentation of a microorganism which is then dried to a high-protein powder: SylPro.

*Additional Sources Available Upon Request

Regulatory Information

- ✓ 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

CONTACT ARBIOM to learn more about SylPro for your animal nutrition needs and partnership opportunities.

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