



Mycomeal™

Product sheet

2024



Dried, milled Mycomeal from *P.variotii* using spent sulphite liquor from pulp production as feedstock

Approved and registered in EU Feed Materials Register
(find it [here](#) under "mycomeal")

20+ kg

Product sample available from mid 2024

Composition

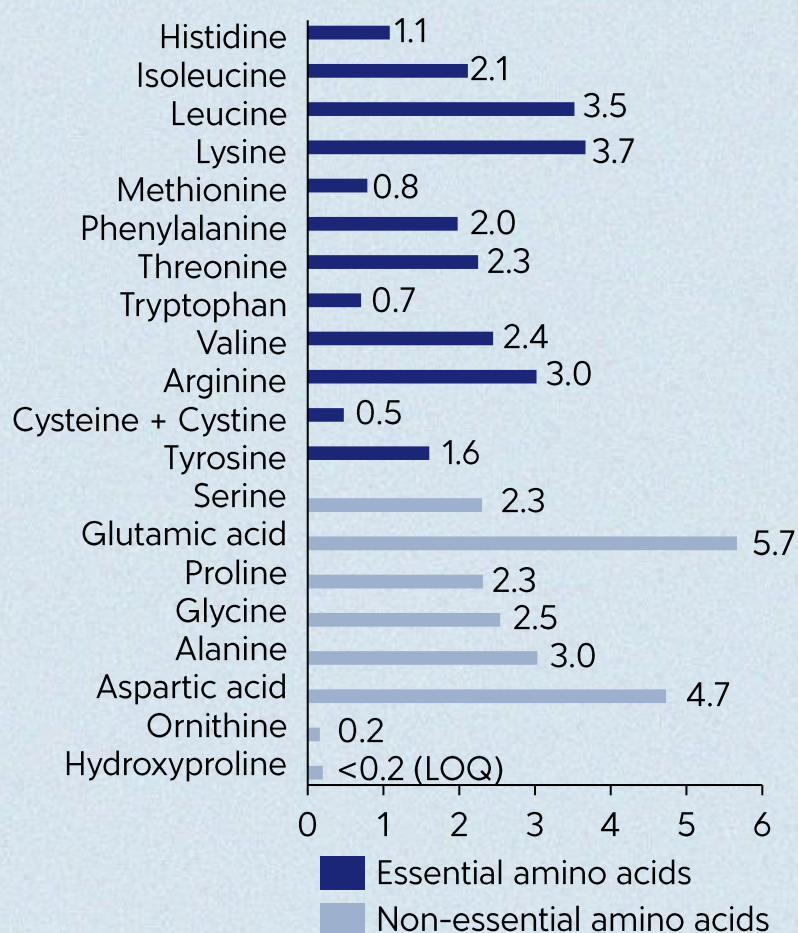
g/100 g D.M.

Mycomeal nutritional characteristics

Dry matter	> 92
Crude protein	~57-63
Crude fat	~2-5
Crude fibre	~25-30
Of which beta-glucans	~15
Ash	~5-10
Minerals	
Magnesium	~0.8
Phosphorous, P	~2.3
Potassium, K	~1
Calcium, Ca	~0.05
Sodium, Na	~0.005
Sulfur, S	~0.8
Energy (MJ/kg)	~21

Amino acid profile

g/100 g D.M.



Rich in beta-glucans and nucleotides,
associated with improved growth and
immune system and other health
benefits

Good source for all essential amino
acids



Environmental impact

GHG emissions

kg/kg raw material



Soy protein concentrate¹

9 kg CO₂ eq



**9x lower
Co₂
footprint**

Mycomeal has far less impact on global environmental pollution compared to soy protein concentrate

Mycomeal

1 kg CO₂ eq³



Land use

m²/kg product



Soy protein concentrate

6 m² land use



**8000x
lower
land use**

By replacing soy protein concentrate with Mycomeal, 8000x less land is utilized

Mycomeal

0.00075 m² land use³



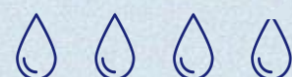
Water use

l/kg product



Soy protein concentrate

390 L water



**130x
lower
water
use**

386 litres of water can be saved by using one kilogram of Mycomeal instead of soy protein concentrate

Mycomeal

3L water use³



1. From South America with deforestation; 3. Based on internal estimates
Source: Norsus (2024)



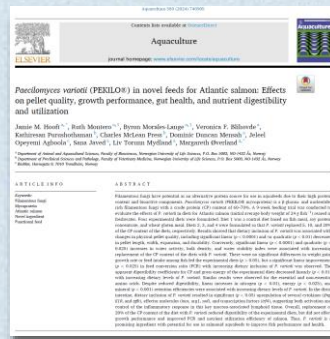


Trial results from using similar substrate and fungi as Mycomeal



Salmon

Study



[Link](#)



[Link](#)

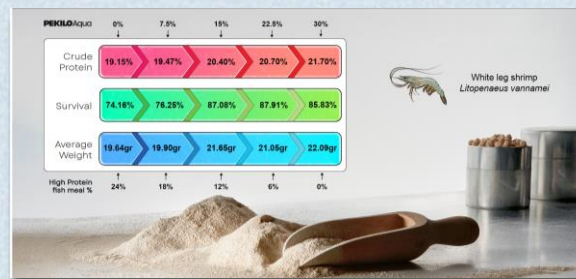
Key insights

- ✓ Significant linear **improvement in feed conversion ratio (FCR)** with increasing dietary inclusion of *P. variotii*¹
- ✓ Improved **nutrient utilization efficiency**¹
- ✓ Significant **health benefits** boosting important immune responses in the lower intestine, enhancing immune cells, and improving overall defense systems and inflammation control^{1,2}



Shrimp

Study



[Link](#)

Key insights

- ✓ A significantly **higher final average body weight** observed compared to those fed diets with higher fishmeal content, leading to increased growth³
- ✓ **Higher survival rates** in shrimp fed mycomeal-like ingredient (*P. Variotii*), indicating potential health benefits³