



FOR BETTER FISH

Microbially-Enhanced Protein™

# SPECIFICATION SHEET

Ingredient intended for the manufacturing  
of aquaculture feed

## Description

ME-PRO® is a non-GM plant-based protein ingredient produced as a light-colored and free-flowing powder. ME-PRO is highly digestible 70% crude protein (as fed ) and also has a highly available phosphorous content. The processing of soybean meal occurs with *Aureobasidium pullulan*, a naturally occurring, non-toxicogenic, and non-pathogenic microbe; this microbe is commonly used in the production of food ingredients such as pullulan gum.

ME-PRO has been extensively tested both in laboratory and commercial settings, with inclusion rates ranging from 15-40% of the dry diet with outstanding results in a wide variety of marine and freshwater species of fish and shrimp, including reduced feed conversion rates, and reduced phosphorous discharge levels.

ME-PRO is derived from traceable sources of non-GM soybeans grown in the United States. The production of ME-PRO is completed in the company's manufacturing facilities in Brookings and Volga, South Dakota.

## Typical Composition (%)

Crude Protein (dry matter )	75.6
Crude Protein (asfed)	73.4
Moisture	4.5
Crude Fat	0.85
Crude Fiber	5.4
Ash	1.3

## Minerals

Calcium (%)	0.17
Phosphorous (%)	0.40
P Available (%)	0.36
Sodium (%)	n.d.
Potassium (%)	0.10
Magnesium (%)	0.04
Iron (ppm)	170
Copper (ppm)	22
Zinc (ppm)	17

## Amino Acid Content (g/100 g)

Alanine	3.43
Arginine	6.04
Cystine	1.01
Glutamic Acid	14.02
Glycine	3.28
Histidine	2.10
Isoleucine	3.72
Leucine	6.84
Lysine	4.90
Methionine	0.97
Phenylalanine	4.35
Proline	4.28
Serine	4.28
Threonine	3.16
Tryptophan	0.87
Tyrosine	3.11
Valine	3.92

## Packaging/Delivery

ME-PRO is delivered in 55lb (25kg) paper bags that are lined with a 2.0ml water barrier and heat-sealed. ME-PRO is also available in 2,200lb (1000kg) super sacks

PRAIRIE  
AQUATECH

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