

Improved Soybean Meal for Aquaculture

PRODUCT DESCRIPTION

Highly digestible soybean meal specifically developed to replace fishmeal in aquafeed formulations. Other potential applications include use in piglet and poultry feed formulations.

SPECIFICATIONS

Protein (N x 6.25)	56.0 ± 1.5%
Water	7.5 ± 1.0%
Trypsin inhibitor	1,100TIU/g
Oligosaccharides	<0.05%

COMPOSITION

Crude protein	56.0%
Carbohydrates ^a	27.5%
^a Crude fiber	2.7%
Water	7.5%
Ash	6.0%
Crude fat	2.8%

PHYSICAL PROPERTIES

pH (10% suspension)	approx. 4.0
Geometric Mean Diameter	357.0µm
Bulk density approx.	0.5g/ml

MICROBIOLOGICAL DATA

Aerobic plate count	<10/g
Enterobacteriaceae	<10/g
Yeast and mould	<10/g
Salmonella absent in	25g

MINERALS

Potassium	2.0%
Phosphorous	0.64% ^b (^b of which 0.98% is phytic acid)
Magnesium	0.26%
Calcium	0.75%
Sodium	0.08%
Iron	0.0085%
Zinc	170ppm
Manganese	33ppm
Copper	16ppm

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AMINO ACID PROFILE

Amino Acids ^c	Percentage
Tryptophan	0.84
Cystine	0.72
Methionine	0.83
Aspartic Acid	6.39
Threonine	2.25
Serine	2.86
Glutamic Acid	9.94
Proline	2.77
Glycine	2.40
Alanine	2.48
Valine	2.77
Isoleucine	2.65
Leucine	4.32
Tyrosine	1.89
Phenylalanine	2.81
Total Lysine	2.40
Histidine	1.41
Arginine	3.64

^cTryptophan AOAC 988.15, Cystine & Methionine AOAC 994.12 mod., Amino Acids by AHAOAC 982.30 mod.

