



A NEW FORCE FOR GROWTH



Motiv™ is the new force for health and vitality for shrimp and your operation. A fermented corn protein that delivers a prebiotic effect in shrimp, Motiv improves nutrient utilization and uptake for the whole diet by creating a better environment in the gut. As a bioactive protein, Motiv leads to greater energy, growth and survival, and a more vibrant color.

TYPICAL ANALYSIS (AS-IS BASIS)

Dry Matter	%92.3	Crude Fiber	< %1.0
Crude Protein	%69.1	Ash	%6.0
Fat, Acid Hydrolysis	%3.0	Carbohydrates	%1.7
Acid Detergent Fiber	%2.3	Organic Acids	%7.2
Neutral Detergent Fiber	%5.4	Density, lb/cu ft	42–39

NUTRITIONAL INFORMATION

Amino Acid Content	As-Is	% Protein	Vitamins (mg/100 g)	As-Is	Minerals	As-Is
Aspartic Acid	4.13	5.61	Vitamin A (Retinol), IU/100 g	1,060	Calcium	0.04
Threonine	2.29	3.11	Total Choline	71.5	Phosphorus	0.7
Serine	3.44	4.67	Niacin	6.78	Magnesium	0.2
Glutamic Acid	15.80	21.45	Vitamin B1-Thiamine	0.0358	Potassium	1.0
Proline	6.42	8.72	Vitamin B12	< 0.44	Sulfur	1.1
Glycine	2.00	2.72	Vitamin B2-Riboflavin	1.22	Sodium	0.8
Alanine	5.90	8.01	Vitamin B5-Pantothenic Acid	0.394	Chloride	0.2
Valine	3.31	4.49	Vitamin B6-Pyridoxine	0.253	Salt	0.3
Methionine	1.59	2.16	Inositol	898	Zinc, mg/kg	76.0
Isoleucine	2.67	3.63	Carotenoids/Antioxidants (ppm)	As-Is	Iron, mg/kg	113.0
Leucine	10.30	13.99	cis-Lutein	81–56	Manganese, mg/kg	19.0
Tyrosine	3.44	4.67	trans-Lutein	176–133	Copper, mg/kg	21.0
Phenylalanine	4.14	5.62	cis-Zeaxanthin	69–44	Molybdenum, mg/kg	4.2
Histidine	1.43	1.94	trans-Zeaxanthin	133–92	Selenium, mg/kg	0.6
Lysine	2.95	4.01	alpha-Cryptoxanthin	4–2	Chromium, mg/kg	3.4
Arginine	2.35	3.19	beta-Cryptoxanthin	12–9	Cobalt, mg/kg	< 0.5
Cysteine	1.20	1.63	alpha-Carotene	19–13	Metabolizable Energy	
Tryptophan	0.29	0.39	beta-Carotene	27–23	ME, kcal/kg (calculated)	4,039

For more information, please call +1 402-533-4282 or email Empyreal@cargill.com.

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