

# Nutrition Analysis

March 06, 2019

Empyreal® 75 is manufactured with a clear purpose in mind. This plant-based, sustainable protein concentrate is specifically designed to benefit everyone in the value chain — from the feed mill, to producers, to the animals themselves. Because of this deliberate design, Empyreal 75 provides nutritional and functional consistency in every shipment. Most importantly, this product is created to promote fast, safe and efficient growth in animals, which results in higher profits. That means both animals and businesses gain more.

TYPICAL ANALYSIS (AS-IS BASIS)			
Protein	76.2%	Ash	1.3%
Fat, Acid Hydrolysis	4.5%	Carbohydrates	5.3%
Crude Fiber	1.0%	Density, lb/cu ft	36–39
TDF	5.0%	Omega-6 (Linoleic Acid)	2.55%
Moisture	8.5%		

NUTRITIONAL INFORMATION						
Amino Acid Content	As-Is	% Protein	Vitamins (mg/kg)	As-Is	Minerals	As-Is
Alanine	6.17	8.16	Vitamin A (Retinol)	13.4	Calcium	0.05%
Arginine	2.28	3.02	Choline	190	Potassium	0.15%
Aspartic Acid	4.24	5.62	Niacin	46.9	Phosphorus	0.24%
Cystine	1.15	1.52	Pantothenic Acid	1.88	Magnesium	0.05%
Glutamine/Glutamic Acid	15.29	20.26	Pyroxidine (B6)	5.45	Chloride	0.29%
Glycine	1.79	2.37	Riboflavin (B2)	2.73	Sulfur	0.95%
Histidine	1.55	2.06	Thiamine (B1)	0.41	Sodium	0.25%
Isoleucine	3.06	4.06	Biotin	0.18	Iron, ppm	73.6
Leucine	12.63	16.73	Inositol	1,604	Zinc, ppm	47.9
Lysine	1.08	1.43	Carotenoids/ Antioxidants (ppm)	As-Is	Manganese, ppm	4.3
Methionine	1.70	2.29	cis-Lutein	35–55	Copper, ppm	11.1
Phenylalanine	4.65	6.16	trans-Lutein	90–150	Chromium, ppm	0.00
Proline	6.68	8.84	cis-Zeaxanthin	20–35	Molybdenum, ppm	0.74
Serine	3.47	4.60	trans-Zeaxanthin	90–120	Selenium, ppm	1.97
Threonine	2.25	2.98	alpha-Cryptoxanthin	20–28	Iodine	< 5.0
Tryptophan	0.32	0.42	beta-Cryptoxanthin	10–16		
Tyrosine	3.95	5.24	alpha-Carotene	2–4		
Valine	3.36	4.45	beta-Carotene	15–25		

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Cargill Branded Feed creates proprietary feed ingredients to improve digestive health and performance for production animals in the beef, dairy, aquaculture and pet food markets. Branded Feed is a segment of Cargill Starches, Sweeteners & Texturizers (CSST).

**Branded Feed**  
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