



Product Description

GB PRO 90 is downgraded soy protein isolate, originally packaged for human food sales. This isolated soy protein is nutritionally sound and well suited for use in companion animal, swine, cattle, poultry and aquaculture feed formulas.

Physical Properties

Appearance and color	fine, whitish powder
Size of particles	>98% thru 100 mesh
Bulk density, g/cc	0.29
Wettability and stability in aqueous phase	good wettability and solubility

Standard Analysis (%)

	90	Amino Acid Content	% AA/Protein	% AA/Product
Protein (dry matter)	85	Alanine	4.2	3.57
Protein (as is basis)	5.5	Arginine	7.6	6.46
Moisture	3.6	Aspartic Acid	11.6	9.86
Fat (acid hydrolysis)	2.0	Cysteine	1.3	1.10
Linoleic acid	0.2	Glutamic Acid	19.0	16.15
Linolenic acid	1.9	Glycine	4.2	3.57
NFE	3.8	Histidine	2.6	2.21
Ash		Isoleucine	4.9	4.16
Fiber		Leucine	7.9	6.72
Crude Fiber	0.2	Lysine	6.3	5.36
Dietary Fiber	0.2	Methionine	1.3	1.10
Soluble Fiber	0	Phenylalanine	5.1	4.34
Insoluble Fiber	0.2	Proline	5.1	4.34
		Serine	5.2	4.42

Energy, kcal/kg

Calf M.E.	3750	Threonine	3.7	3.14
Poultry M.E.	3500	Tryptophan	1.4	1.19
Swine D.E.	4150	Tyrosine	3.6	3.06
Swine M.E.	3500	Valine	5.0	4.25
Swine N.E.	2000			
Pet D.E.	4200			
Pet M.E.	3355			

Biological Analysis

Microbial count: (cfu per g)	<20,000
E coli (cfu per g)	neg
Salmonella (cfu per 200g)	neg

Minerals

Calcium, %	0.2
Phosphorus, %	0.8
Phosphorus, available %	0.38
Sodium, %	1.2
Potassium, %	0.1
Magnesium, %	0.04
Iron, ppm	160
Copper, ppm	14
Zinc, ppm	40
Manganese, ppm	13

Vitamins, mg/kg

Thiamine (B1)	2.0
Riboflavin (B2)	1.0
Niacin	3.0
Pyridoxine	0.4
Pantothenic acid	2.0
Choline	1500
Folic acid	2.0
Biotin	0.3