

ImmunoLin®

serum-derived bovine immunoglobulin/protein isolate, SBI

Description	ImmunoLin® is a powder form of serum-derived immunoglobulin concentrate. Due to its high immunoglobulin content, ImmunoLin® is an excellent natural source of IgG for use in digestive health, immune support and sports nutrition products. ImmunoLin® contains no lactose and is free of milk proteins, such as casein and β-lactoglobulin, which can be poorly tolerated by some people. ImmunoLin® contains very low levels of saturated fat. ImmunoLin® is manufactured from non-GMO ingredients.
Appearance	ImmunoLin® is an agglomerated, cream colored powder with a neutral flavor and odor.
Origin	ImmunoLin® is manufactured from bovine serum collected in (a) the United States of America, and (b) New Zealand.
Packaging	ImmunoLin® is packaged in 25 kg heat sealed polyethylene bags inside fiber drums.
Ingredients	Immunoglobulin protein isolate*, sunflower lecithin.

Supplemental Facts

Serving Size: 1-3 grams

	Amt. Per 1 gm Serving
Total Protein	920 mg
Immunoglobulin G	450 mg †

† Daily value not established

Note: *This product contains proteins of animal (bovine) origin.

Product Specification

Test	Typical	Specification
Protein (Dry Basis)	96%	≥ 90%
Protein (As Is Basis)	92%	≥ 85%
IgG	55%	≥ 45%
Fat	< 0.7%	≤ 2%
Moisture	4.1%	≤ 8%
Ash	1.8%	≤ 8%
Microbiological	Typical	Specification
Aerobic Plate Count	200 cfu/g	≤ 10,000 cfu/g
Salmonella	Neg/150 g	Neg/150 g
Staph. Coag.+	< 10 cfu/g	≤ 100 cfu/g
Coliforms	ND*	≤ 100 MPN/g

*ND = not detected in sample

Typical Amino Acid Profile

(based on grams per 100g of product)

	<u>Typical</u>		<u>Typical</u>
Alanine	4.4	Lysine	7.0
Arginine	5.1	Methionine	1.0
Aspartic Acid	9.1	Phenylalanine	4.5
Cystine	2.3	Proline	5.8
Glutamic Acid	11.1	Serine	9.0
Glycine	4.2	Threonine	7.8
Histidine	2.4	Tryptophan	2.0
Isoleucine	3.0	Tyrosine	5.2
Leucine	8.0	Valine	8.1

Analysis of seven separate production lots (July 2012 – April 2013)

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For more information on ImmunoLin®, please visit us at:

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