



Nutritional Values Regular Barley Vs. **BARLEY GOLD®**

Test	Regular Barley * 5% Digestible	BARLEY GOLD® *97% Digestible	Difference	% Change	Type
Crude Fiber	5.50%	3.80%	(1.70%)	-31%	Transformation
Crude Fat	1.90%	1.80%	(0.10%)	- 5%	Transformation
Ash	2.80%	2.20%	(0.60%)	-21%	Transformation
Crude Protein	9.00%	10.20%	1.20%	13%	Translocation
Available Protein	8.90%	9.40%	0.50%	5%	Transformation
Soluble Protein	2.80%	4.70%	1.90%	68%	Transformation
Available Insoluble Protein	6.20%	4.80%	(1.40%)	-22%	Transformation
Non-Structured Carbohydrates	62.40%	66.50%	4.10%	6%	Transformation
ADIN (nitrogen)	0.02%	0.13%	0.11%	550%	Translocation
ADIN (protein)	0.13%	0.81%	0.68%	523%	Translocation
Acid Detergent Fiber	23.90%	19.30%	(4.60%)	-19%	Transformation
Nitrogen Free Extract	80.80%	81.90%	1.10%	1%	Translocation
Total Lipids	34.4 g	36.6g	2.20g	6%	Transformation
Calcium	0.07%	0.05%	(0.02%)	-28%	Transmutation
Phosphorus	0.43%	0.39%	(0.04%)	- 9%	Transmutation
Magnesium	0.16%	0.15%	(0.01%)	-6%	Transmutation
Potassium	0.50%	0.52%	0.02%	-4%	Transmutation
Salt	0.03%	0.03%	0%	0%	
Sodium	0.01%	0.01%	0%	0%	
Copper	4 ppm	6ppm	2ppm	50%	Transmutation
Iron	83 ppm	66 ppm	(17 ppm)	-20%	Transmutation
Manganese	17 ppm	32 ppm	15 ppm	88%	Transmutation
Zinc	39 ppm	45 ppm	6 ppm	15%	Transmutation
Alanine	0.42 g	0.39 g	(0.03)g	- 7%	Transformation
Amino Butyric Acid	0.61g	1.00g	0.39g	64%	Transformation
Arginine	5.89g	6.32g	0.43g	7%	Transformation
Cystine	1.81g	1.55g	(0.26)g	-14%	Transformation
Glumatic Acid	23.7g	23.1g	(0.60)g	- 2%	Transformation
Glycine	4.76g	4.39g	(0.37)g	- 8%	Transformation
Histidine	3.02g	2.91g	(0.11)g	- 4%	Transformation
Isoleucine	4.01 g	4.12g	0.11g	3%	Transformation
Leucine	7.84g	8.15g	0.31g	4%	Transformation
Lysine	3.98g	4.02g	0.04g	1%	Transformation
Methionine	2.05g	2.05g	0.00g	0%	Transformation
Phenylalanine	7.37g	6.26g	(1.11)g	-15%	Transformation
Proline	10.5g	11.3g	0.08g	<1%	Transformation
Serine	5.14g	4.10g	(1.03)g	-20%	Transformation
Threonine	4.52g	3.33g	(1.19)g	-26%	Transformation
Valine	4.86g	5.14g	0.28g	6%	Transformation
Fatty Acid % of Total Triglyceride					
Linoleic	57.4%	58.10%	0.70%	1%	Transformation
Linolenic	6.02%	6.38%	0.36%	6%	Transformation
Oleic	14.40%	13.10%	(1.30%)	- 9%	Transformation
Palmitic	21.30%	22.00%	0.70%	3%	Transformation
Stearic	0.69%	0.55%	(0.14%)	20%	Transformation

NB: Barley is naturally 2% glucosamine by weight. Comparisons are of several hundred-sample one kilogram lots. Total digestibility of “Nutrient Stabilized” **BARLEY GOLD®** is 97%.