

Sample ID	Analysis	mg/g
Barley Grass	Carotenoids	0.71
	Chlorophyll	9.82

	Units	Amount
Energy	kJ/100g	1064.5
Nitrogen	%	4.54
Protein	g/100g	28.38
Fat total	g/100g	6.03
Fat saturated		
Lauric acid (12:0)	g/100g	0.02
Palmitic acid (16:0)	g/100g	0.47
Stearic acid (18:0)	g/100g	0.02
Behenic acid (22:0)	g/100g	0.03
Fat unsaturated		
Oleic acid (18:1)	g/100g	0.04
Linoleic acid (18:2)	g/100g	0.45
Linolenic acid (18:3)	g/100g	3.17
Fat unidentified	g/100g	1.83
Carbohydrate total	g/100g	4.92[1]
Carbohydrate starch	g/100g	0.32
Carbohydrate sugars		
Fructose	g/100g	0.6
Glucose	g/100g	1.2
Lactose	g/100g	<0.1
Maltose	g/100g	<0.1
Sucrose	g/100g	2.8
Fibre[2]	g/100g	34.41
Aluminium	mg/100g	13
Arsenic	µg/100g	<25
Boron	µg/100g	680
Cadmium	µg/100g	1
Calcium	mg/100g	430
Cesium	µg/100g	4.1
Chromium	µg/100g	210
Cobalt	µg/100g	6.1
Copper	µg/100g	930
Iron	mg/100g	17
Lead	µg/100g	16
Lithium	µg/100g	11
Magnesium	mg/100g	170
Manganese	µg/100g	2300

Mercury	µg/100g	<2
Molybdenum	µg/100g	53
Nickel	µg/100g	60
Phosphorus	mg/100g	410
Potassium	mg/100g	3800
Rubidium	µg/100g	39
Selenium	µg/100g	<25
Sodium	mg/100g	320
Tin	µg/100g	3.8
Vanadium	µg/100g	33
Zinc	µg/100g	2900
Vitamin C	mg/100g	548
Vitamin E	IU/100g	36.1
Thiamine	mg/100g	0.80
Vitamin B2 total	mg/100g	2.33
Vitamin B3 total	mg/100g	6.49
Vitamin B6 total	mg/100g	1.30
Folic acid	µg/100g	1130
Beta-carotene	µg/100g	<10

Amino Acid Profile

Free Amino Acids	mg/g	% weight[3]
D,L-O-Phosphoserine	ND[4]	0.00
Taurine	ND	0.00
O-Phosphoethanolamine	ND	0.00
L-Aspartic acid	0.50	2.91
L-Hydroxyproline	ND	0.00
L-Threonine	0.58	3.35
L-Serine	1.07	6.21
L-Asparagine	4.32	24.97
L-Glutamic acid	0.61	3.53
L-Glutamine	1.43	8.27
D,L- α -Aminoadipic acid	ND	0.00
L-Proline	0.33	1.93
Glycine	0.14	0.80
L-Alanine	1.69	9.80
Citrulline	ND	0.00
L- α -Amino-n-butyric acid	ND	0.00
L-Valine	0.56	3.23
L-Cystine	ND	0.00
L-Methionine	0.15	0.85
L-Cystathione	ND	0.00
L-Isoleucine	0.27	1.59
L-Leucine	0.49	2.86
L-Norleucine	ND	0.00
L-Tyrosine	0.18	1.05
L-Phenylalanine	0.39	2.28
β -Alanine	ND	0.00
D,L- β -Amino-i-butyric acid	0.55	3.16
D,L-Homocystine	ND	0.00
γ -Amino butyric acid	3.10	17.90
L-Tryptophan	ND	0.00
Ethanolamine	ND	0.00
D,L & allo-Hydroxylysine	ND	0.00
Ammonia	0.09	0.51
L-Ornithine	ND	0.00
L-Lysine	0.26	1.50
L-Histidine	0.29	1.70

L-3-Methylhistidine	ND	0.00
L-1-Methylhistidine	ND	0.00
L-Arginine	0.28	1.61
TOTAL	17.29	100.00

Amino Acid Profile

After Hydrolysis	mg/g	% weight[5]
Alanine	16.0	7.1
Arginine	14.3	6.4
Aspartic acid[6]	29.1	13.0
Glutamic acid ⁶	29.8	13.3
Glycine	11.9	5.3
Histidine	5.3	2.4
Isoleucine	8.9	4.0
Leucine	19.3	8.6
Lysine	15.2	6.8
Phenylalanine	12.3	5.5
Proline	12.2	5.4
Serine	11.7	5.2
Threonine	11.8	5.3
Tyrosine	9.2	4.1
Valine	16.8	7.5
TOTAL	224.1	100.0

[1] Minimum value

[2] Total dietary fibre

[3] Relative amount of each amino acid as a percentage of the total reported

[4] ND: not detected

[5] Relative amount of each amino acid as a percentage of the total reported

[6] The results for aspartic acid and glutamic acid may include contribution from asparagines and glutamine that have been converted to aspartic acid and glutamic acid during acid hydrolysis