

Wheat Leaf	Carotenoids	1.04
	Chlorophyll	9.07

	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 <sup>[3]</sup>
D,L-O-Phosphoserine	ND <sup>[4]</sup>	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- $\alpha$ -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- $\alpha$ -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
$\beta$ -Alanine	ND	0.00
D,L- $\beta$ -Amino-i-butyric acid	0.55	3.16
D,L-Homocystine	ND	0.00
$\gamma$ -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
<b>TOTAL</b>	<b>17.29</b>	<b>100.00</b>

#### Amino Acid Profile

<b>After Hydrolysis</b>	<b>mg/g</b>	<b>% weight[5]</b>
Alanine	16.0	7.1
Arginine	14.3	6.4
Aspartic acid[6]	29.1	13.0
Glutamic acid <sup>6</sup>	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
<b>TOTAL</b>	<b>224.1</b>	<b>100.0</b>

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[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