

Nutritional Value (DW)	Chlorella vulgaris	Spirulina Feed	Tetraselmis		Nannochloropsis		Scenedesmus obliquus	Phaeodactylum tricornutum	DHA Powder
			chuii	striata	oceanica	sp.			
Macronutrients (g/100g)									
Protein	45-55	45 - 55	35 - 46	24 - 30	29 - 38	45 - 55	45 - 55	35 - 45	8-12
Lipids	6 - 9	5 - 8	5 - 8	5.5 - 7	12 - 15	8 - 12	7 - 10	9 - 12	> 44
Carbohydrates	7 - 17	2 - 15	20 - 32	30 - 40	15 - 20	15 - 20	5 - 10	3 - 7	ND
Fibre	10 - 20	2 - 10	ND	ND	ND	10 - 16	15 - 20	10 - 15	ND
Ash	< 13	< 14	12 - 16	11 - 15	9 - 13	8 - 13	8 - 11	12 - 18	7 - 12
Energy (kcal/100g)	300 - 400	300 - 400	230 - 350	230 - 350	290 - 370	350 - 450	350 - 450	300 - 400	ND
Fatty Acids (% total Lip)									
Omega-3 Fatty acids	25 - 30	0.1 - 0.5	30 - 35	20 - 30	25 - 35	40 - 55	16 - 19	35 - 40	50 - 60
EPA (C20:5n3)	-	-	7 - 9	3 - 5	26 - 35	40 - 50	-	28 - 40	ND
DHA (C22:6w3c)	-	-	-	-	-	-	-	-	> 45
ALA (C18:3w3c)	25 - 30	ND	20 - 25	20 - 23	ND	ND	23 - 27	ND	ND
Omega-6 Fatty acids	23 - 29	40 - 50	ND	30 - 40	4 - 10	ND	13 - 16	7 - 17	ND
Pigments (mg/100g)									
Total Carotenoids	250 - 500	ND	> 400	400 - 600	700 - 800	800 - 1100	> 500	ND	ND
Chlorophyll	> 1000	500 - 1000	> 2000	1500 - 3000	2000 - 3600	2000 - 3500	> 2500	ND	ND
Phycocyanin	-	> 8	-	-	-	-	-	-	-

ND – Not determined

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Minerals / Trace Elements (mg/100g)									
Potassium	1500 – 3000	2000 – 2500	ND	4000 – 5000	1800 – 2500	ND	1500 – 2000	ND	2000 – 3000
Phosphorous	1250 - 2500	1000 – 1500	ND	500 – 1000	800 – 1350	ND	100 – 200	150 – 200	500 – 650
Calcium	1000 - 2000	200 – 300	ND	1000 -2000	180 – 300	ND	150 – 250	250 – 350	20 – 30
Sodium	100 – 200	1000 – 1500	ND	7500 – 8500	6800 – 9800	ND	50 – 200	6500 – 9000	1000 – 1250
Magnesium	300 – 800	250 – 350	ND	1800 – 2800	1000 – 1500	ND	170 – 300	700 – 850	400 – 500
Iron	50 – 150	80 – 150	ND	20 – 30	20 – 100	ND	180 – 430	50 – 60	3 – 5
Zinc	50 – 100	1 – 2	ND	2 – 3	2.0 – 5.5	ND	3.5 – 10	3.0 – 5.0	0.7 – 1.2
Copper	1 – 3	0.05 – 0.15	ND	0.1 – 1.0	0.2 – 1.1	ND	1.3 – 1.8	0.4 – 1.0	0.01 – 0.2
Vitamins (mg/100g)									
Vitamin A Retinol	1.5 - 3.0	0.04 – 0.05	ND	ND	1.0 - 2.5	ND	0.1 – 0.2	ND	-
Vitamin B1 Thiamin	0.1 – 0.5	1.5 – 3.5	ND	0.1 – 0.2	0.06 – 0.17	ND	0.45 – 0.5	ND	-
Vitamin B2 Riboflavin	0.5 - 1	2.0 – 3.0	ND	0.4 – 0.5	0.6 – 0.9	ND	0.600 – 0.625	ND	-
Vitamin B3 Niacin	15 - 30	4.0 – 6.0	ND	6 – 7	9 – 12	ND	1.1 – 1.5	ND	-
Vitamin B5 Pantothenic Acid	0.1 - 1	0.01 – 0.1	ND	0.5 – 0.6	0.4 – 0.7	ND	0.8 – 1.0	ND	-
Vitamin B6 Pyridoxal phosphate	2 - 3	0.3 – 1.0	ND	5 - 6	5 - 9	ND	0.75 – 0.95	ND	-
Vitamin B9 Folic acid	0.03 – 0.04	0.8 – 0.9	ND	0.01 – 0.05	< 0.006	ND	0.4 – 0.5	ND	-
Vitamin B12	0.2 – 0.3	0.14 – 0.24	ND	6 – 7	< 0.006	ND	0.001 – 0.002	ND	-
Vitamin E Tocopherol	5 - 10	2.0 – 6.0	ND	15 - 20	18 - 35	ND	0.07 – 0.12	ND	-
Vitamin C Ascorbic acid	25 - 100	80 – 100	ND	60 - 70	80 - 160	ND	ND	ND	-

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Aminoacids (g/100g)									
Hystidine	0.6 – 1.0	2.5 – 4.0	ND	0.01 – 0.8	0.5 – 1.0	ND	0.5 – 1.5	0.1 – 1.0	0.1 – 0.5
Isoleucine	1.0 – 2.0	4.0 – 6.0	ND	0.5 – 2.0	1.0 – 2.0	ND	2.0 – 3.0	1.0 – 2.0	0.3 – 0.8
Leucine	2.5 – 3.5	2.0 – 4.0	ND	1.5 – 3.0	2.5 – 4.0	ND	3.0 – 4.0	2.0 – 3.0	0.3 – 0.8
Lysine	3.0 – 4.0	2.0 – 3.5	ND	1.0 – 2.0	2.0 – 3.0	ND	2.0 – 3.0	0.1 – 0.5	0.1 – 0.5
Methionine	0.3 – 0.8	1.0 – 2.5	ND	0.5 – 1.0	0.5 – 1.0	ND	0.5 – 1.5	0.1 – 0.9	0.5 – 1.5
Phenylalanine	1.5 – 2.5	3.0 – 5.0	ND	1.0 – 2.5	1.5 – 2.0	ND	1.5 – 2.5	1.0 – 2.0	0.1 – 0.5
Threonine	1.5 – 2.5	8.5 – 10	ND	1.0 – 2.0	1.0 – 3.0	ND	1.5 – 2.5	2.0 – 3.0	0.3 – 0.8
Tryptophan	0.1 – 0.5	0.5 – 1.5	ND	0.1 – 0.5	0.5 – 1.0	ND	1.0 – 2.0	2.0 – 3.0	0.3 – 0.8
Valine	1.5 – 2.5	0.5 – 2.0	ND	1.0 – 2.0	1.5 – 2.5	ND	2.5 – 3.5	2.0 – 3.0	0.3 – 0.8
Alanine	2.0 – 3.0	2.5 – 4.0	ND	1.0 – 2.5	2.0 – 3.0	ND	3.0 – 4.0	2.0 – 3.0	0.3 – 0.8
Arginine	2.0 – 3.0	3.0 – 4.0	ND	1.0 – 3.5	1.5 – 2.5	ND	3.0 – 4.0	3.5 – 5.0	1.0 – 2.0
Aspartic acid	2.5 – 3.5	6.0 – 7.0	ND	2.0 – 3.0	3.0 – 4.0	ND	4.0 – 5.0	0.1 – 0.5	0.1 – 0.5
Cystine + Cysteine	0.1 – 0.5	0.3 – 1.3	ND	0.1 – 0.5	0.2 – 1.0	ND	0.1 – 1.0	5.0 – 6.0	1.0 – 2.0
Glutamic Acid	4.0 – 6.0	3.0 – 6.0	ND	2.0 – 3.5	4.0 – 6.0	ND	6.0 – 8.0	7.0 – 9.0	0.3 – 0.8
Glycine	2.0 – 3.0	3.0 – 4.0	ND	1.0 – 2.0	1.5 – 2.5	ND	2.0 – 3.0	1.0 – 2.0	0.1 – 0.5
Proline	1.5 – 2.5	2.5 – 3.5	ND	1.0 – 2.0	2.0 – 3.5	ND	1.0 – 2.0	1.0 – 2.0	0.3 – 0.8
Serine	1.0 – 2.0	4.0 – 6.0	ND	0.5 – 2.0	1.0 – 2.0	ND	1.5 – 2.5	0.1 – 1.0	0.1 – 0.5
Tyrosine	1.0 – 2.0	1.5 – 3.0	ND	0.5 – 2.0	1.0 – 1.5	ND	1.5 – 2.5	1.0 – 2.0	0.1 – 0.5