SYSTEMS
Bioengineering Limited
advancedMEDICALtechnology

NUTRITIONAL FACTS SPECIFICATIONS

Spirulina Powder Organic

Physical Properties		**Minerals**	**mg/100g**	**Heavy Metals**	**(PPM)**
Appearance	Fine green powder	Calcium	80-120	Lead	<3,0
Colour	Fine green	Phosphorous	900-120	Arsenic	<2,0
Odour & Taste	Mild seaweed	Magnesium	150-260	Cadmium	<1,0
Bulk Density	0,5-0,7g/cc	Iron	30-50	Mercury	<1,0
Particle Size	100% 80mesh	Sodium	800-1100		
		Potassium	1200-1500		
		Zinc	15,0-18,0		
General Composition		Copper	0,2-0,4		
Protein	60%-70%	Manganese	1,0-3,0		
Carbohydrates	18%-22%	Chromium	0,1-0,3		
Fats (Lipids)	5%-7%	Selenium	0,003-0,010		
Minerals (Ash)	6%-9%				
Moisture	5%-8%				
Vitamins	**mg/100g**	**Fatty Acids**	**g/100g**	**Algal Toxins**	
Vitamin B1 (Thiamine)	2,0-4,0	Mysteric Acid C14:1	0,07-0,09	Microcystins	Not detectable
Vitamin B2 (Riboflavin)	3,0-6,0	Palmitic Acid C16:0	1,7-2,5	(ppb/3g)	(DL:0,5 ppb)
Vitamin B3 (Niacin)	8,0-20 0	Stearic Acid	0,01-0,05	BMAA	Negative
Vitamin B6 (Pyridoxine)	0,8-1,2	Oleic Acid	0,1-0,3	Benzopyrene	Negative
Vitamin B12 (Analogue)	0,30-0,40	Linoleic Acid	1,0-1,5		
Folic Acid	0,05-0,20	Gamma-Linoleric Acid	1,4-1,9		
Inositol	60-80	DHA	0,6-0,8		
Vitamin K	0,90-1,05				
Amino Acids	**g/100g**	**Phytopigments**	**mg/100g**		
Alanine	4,0-5,0	Total Carotenoids	300-650		
Arginine	3,0-6,0	Beta-Carotene	150-260		
Aspartic Acid	1,3-3,5	Xanthophylls	230-450		
Cystine	0,8-0,95	Zeaxanthin	120-210		
Glutamic Acid	5,0-9,0	Chlorophyll	500-1200		
Glycine	2,0-5,0	Phycocyanin	7000-13000		
Histidine	0,5-1,5				
Isoleucine	3,0-4,0				
Leucine	3,0-5,0				
Lysine	3,0-6,0	**Microbiological**			
Methionine	1,0-6,0	Standard Plate Count	<200,000 cfu/g		
Phenyl Alanine	2,5-3,5	Yeast & Mould (cfu/1g)	<5000		
Proline	2,0-3,0	Coliform (/25g)	<10 cfu/g		
Serine	3,0-5,0	E.Coli (/25g)	Negative		
Threonine	1,5-3,0	Salmonella (/25g)	Negative		
Tryptophan	1,0-2,0	Staphylococcus (/25g)	Negative		
Tyrosine	1,0-2,0				
Valine	1,0-2,5				

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