

**CERTIFICATE OF ANALYSIS**

**Product** : Spirulina Powder  
**Batch No** : ER-IX  
**Mfg .Date** : Sep - 2023  
**Quantity** : 300 Kg

**Part Used** : Algae  
**Exp. Date** : Aug - 2025

<b>PARAMETERS</b>	<b>METHOD</b>	<b>UNITS</b>	<b>RESULTS</b>
<b>NUTRITIONAL LABELLING</b>			
Energy (By Calculation)	DGHS Manual 1, 2005	Kcal/100g	385.81
Total Carbohydrate (By difference)	DGHS Manual 1, 2005	g/100g	24.20
Protein (Nx6.25) on dry basis	AOAC 19 <sup>th</sup> Edn 2012.930.25	g/100g	63.5
Total Fat	IS: 7874 (P-I)	G/100g	1.56
Iron (as-fe)	TNTH/SOOP/FOOD/157	mg/kg	S1.21
Calcium as Ca	IS 5949:1990 (RA.2003)	mg/kg	6200
Sodium	IS 9747:1980	mg/kg	225
Total Carotenoids	TNTH/SOP/FOOD/203	mg/100g	535
Total Chlorophyll	TNTH/SOP/FOOD/156	mg/100g	1260
Phaycocyainin	TNTH/SOP/FOOD/159	%	10.23
<b>QUALITY ANLISIS</b>			
Moisture	AOAC 19 <sup>th</sup> Edn 2012.926.07	%	6.2
Total Ash (on dry Basis)	AOAC 19 <sup>th</sup> Edn 2012.925.11	%	4.7
Acid Insoluble (on dry basis)	TNTH/SOOP/FOOD/158	%	0.14
Bulk Density	TNTH/SOOP/FOOD/158	g/ml	0.69
<b>HEAVY METAL CONTAMINATION</b>			
Cadmium (cd)	TNTH/SOOP/FOOD/160	Mg/kg	BLQ(LOQ:0.25)
Lead (pb)	TNTH/SOOP/FOOD/160	Mg/kg	BLQ(LOQ:0.25)
Arsenic (As)	TNTH/SOOP/FOOD/160	Mg/kg	BLQ(LOQ:0.25)
Mercury (Hg)	TNTH/SOOP/FOOD/160	Mg/kg	BLQ(LOQ:0.25)
Pesticide Residue by GCMS Screening	TNTH/SOOP/FOOD/161	Mg/kg	BLQ(LOQ:0.01)
Total Plate Count	IS 5402:2012	CFU/g	15000
Coliform	IS 5401 (PART 1) 2002	CFU/g	<10
Shigella	IS 5887 (PART 7) 1999	CFU/g	Absent
E.coli	IS 5887 (PART 1) 1976 (R.2005)	CFU/g	<10
Staphylococcus aureus	IS 5887 (PART 2) 1976 (R.2005)	CFU/g	<10
Yeast &Mould	IS 5403:1999 (R.2009)	CFU/h	<10
Salmonella	IS 5887 (PART 3) 1999	Per 25g	Absent

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SUPERVISOR

For, En-Route Impex

*Rain*  
 Proprietor