



**PROLGAE SPIRULINA SUPPLIES PVT LTD.,**

**CERTIFICATE OF ANALYSIS**

**Product Name:** Organic Spirulina  
Nibs

**Batch Number:** NOV 2019

PARAMETERS	TEST METHOD	RESULT	UNIT
<b>PHYSICAL AND CHEMICAL ANALYSIS</b>			
Crude protein	AOAC 2001.11	64.5	g/100 g
Total Ash	IS 4684 : 1975	7	g/100 g
<b>PIGMENT ANALYSIS</b>			
Phycocyanin	SO-CHML-CTS-C01-QU-046	18	g/100 g
Carotene	AOAC 970.64	0.70	g/100 g
Chlorophyll	AOAC 942.04	0.95	g/100 g
<b>FATTY ACID</b>			
C16:0 Palmitic Acid	ISO 5508 :1990 & 5509 : 2000	1.50	g/100 g
C18:0 Stearic Acid	ISO 5508 :1990 & 5509 : 2000	0.09	g/100 g
C18:1 Oleic Acid	ISO 5508 :1990 & 5509 : 2000	0.20	g/100 g
C18:2 Lenoleic Acid	ISO 5508 :1990 & 5509 : 2000	0.65	g/100 g
C18:3n3α , Linolenic Acid	ISO 5508 :1990 & 5509 : 2000	0.45	g/100 g
C18:3n3γ , Linolenic Acid	ISO 5508 :1990 & 5509 : 2000	0.50	g/100 g
C18:3 (Sum of 3n3 and 3n6),Linolenic Acid	ISO 5508 :1990 & 5509 : 2000	0.95	g/100 g
<b>VITAMINS</b>			
Vitamin B1	SO-IN-MUL-TE-008 by HPLC	0.20	mg/100g
Vitamin B2	SO-IN-MUL-TE-008 by HPLC	0.25	mg/100g
Vitamin B3	SO-IN-MUL-TE-008 by HPLC	2.5	mg/100g



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Vitamin B6	SO-IN-MUL-TE-008 by HPLC	0.20	mg/100g
Vitamin B12	By Ridascreen ELISA kit	20	µg/kg
Vitamin A	SO-IN-MUL-TE-012 by HPLC	25	µg/100g
Vitamin E	SO-IN-MUL-TE-014 by HPLC	30	mg/100g
Folic Acid	By Ridascreen ELISA kit	22	µg/kg

**MICROBIAL ANALYSIS**

Total plate count	ISO 4833 - Part 1 2013	500	cfu/g
Yeast and Mould count	ISO 21527 (Part 2) : 2008	<10	cfu/g
Escherichia coli	ISO 16649 (Part 2) : 2001	Absent	cfu/g
Salmonella spp	ISO 6579-2017	Absent	per 25g

**ELEMENTAL CONTAMINANTS**

Lead (as Pb)	SO-IN-MUL-TE-063A by ICP-MS	0.05	mg/kg
Cadmium (as Cd)	SO-IN-MUL-TE-063A by ICP-MS	0.02	mg/kg
Arsenic (as As)	SO-IN-MUL-TE-063A by ICP-MS	0.05	mg/kg
Mercury (as Hg)	SO-IN-MUL-TE-063A by ICP-MS	0.01	mg/kg

**MINERALS**

Calcium (as Ca)	SO-IN-MUL-TE-063 by ICPOES	450	mg/100g
Iron (as Fe)	SO-IN-MUL-TE-063 by ICPOES	100	mg/100g
Magnesium (as Mg)	SO-IN-MUL-TE-063 by ICPOES	400	mg/100g
Phosphorous (as P)	SO-IN-MUL-TE-063 by ICPOES	800	mg/100g





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Sodium ( as Na)	SO-IN-MUL-TE-063 by ICPOES	350	mg/100g
Potassium (as K)	SO-IN-MUL-TE-063 by ICPOES	900	mg/100g

CHECKED BY	APPROVED BY
	