

CERTIFICATE OF ANALYSIS

Product: **ORGANIC SPIRULINA POWDER (SPRAY DRIED) – HG/USP Grade**

Scientific name: **Spirulina (Arthrospira platensis)**

Country of Origin: **INDIA**

Grade: **High Grade | USP Grade**

BEST BEFORE: **36 MONTHS FROM MFG.**

Parameters	Specifications	Result
Appearance		Dark Green Fine Powder
Loss on drying (%)	NMT 10%	NMT 6%
Total Ash (%)	NMT 15%	NMT 8%
Bulk Density (g/L)	NLT 0.62	NLT 0.62
Protein (%)	NLT 55%	NLT 60%
Total Carotenoids (%)	NLT 0.35%	NLT 0.350%
Beta-Carotene %	NLT 0.15%	NLT 0.15%
Chlorophyll "A" (%)	NLT 1.00%	NLT 1%

Phycocyanin:

Crude phycocyanin, %	NLT 15%	NLT 16%
Pure phycocyanin, %	NLT 6%	NLT 6%

Heavy metal analysis:

Arsenic, mg/kg	NMT 0.5	NMT 0.5
Cadmium, mg/kg	NMT 0.20	NMT 0.20
Lead, mg/kg	NMT 0.20	NMT 0.20
Mercury, mg/kg	NMT 0.025	NMT 0.025

Note:

- 1) All the results are on dry basis
- 2) Store in a cool & dry place, do not leave the container in open condition to avoid external contamination.

Remarks:

Analytical results for each manufacturing batch may vary within normal measurement uncertainty; however, every batch released by Viridia Biotech meets or exceeds the specifications stated in this Certificate of Analysis.