

CERTIFICATE OF ANALYSIS

Product: **Phycocyanin (Extracted from Spirulina)**

Scientific name: **Phycocyanin**

Country of Origin: **INDIA**

Grade: **Phycocyanin E18**

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

Parameters	Criteria	Result
Appearance	Bright Dark Blue Powder	Bright Dark Blue Powder

Physical Characteristics

Solubility		100% in Water
Loss on drying (%)	NMT	7%
Total Ash (%)	NMT	7%
Colour Value		180 CU Min
Crude phycocyanin, %	NLT	50-55%
Pure phycocyanin, %	NLT	20-24%
Protein	NLT	> 50%

Microbiology

TPC	NMT	2000 cfu/g
Yeast and Mould	NMT	200 cfu/g
E.Coli	NMT	Absent in 10g
Salmonella	NMT	Absent in 10g
Staphylococcus Aureus	NMT	Absent in 25g

Heavy metal analysis:

Arsenic, mg/kg	NMT	0.05 ppm Max
Cadmium, mg/kg	NMT	0.05 ppm Max
Lead, mg/kg	NMT	1 ppm Max
Mercury, mg/kg	NMT	0.025 ppm Max

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.