SCOTBIO
Naturally Pioneering

ScotBio
Unit 28, Shairps Business Park,
Houstoun Road, Livingston, EH54 5FD
Tel: +44 (0)7412113913

# CERTIFICATE OF ANALYSIS

## BATCH INFORMATION

| | |
|---|---|
| Product name | ScotBio SupaBlu™ HS1 |
| Batch no. | SB30825 |
| Weight (g) | 5 – 200 g |
| Manufacture Date | 03/11/25 |
| Best Before End | 15/04/27 |
| Ingredients (functions) | Pectin (E440(i)) (heat stabiliser)<br>Spirulina extract (colouring)<br>Potassium phosphate (E340 (iii)) (acidity regulator) |
| Storage | Store in a cool and dry place. Keep sealed. Protect from light. Use within 18 months of receipt. |
| Manufacturer | ScotBio |
| Country of origin | United Kingdom |

| TEST | SPECIFICATION | RESULT |
|---|---|---|
| **ORGANOLEPTIC** | | |
| Appearance (form) | Powder | Powder |
| Appearance (colour) | Blue | Blue |
| Odour | Characteristic | Characteristic |
| **PHYSICAL & CHEMICAL** | | |
| Solubility | Water soluble | 100% Soluble |
| Particle size | 100% through 80 mesh | PASS |
| Metal Detection | 2.0 Fe (mm), 2.0 (mm) NFe, and 2.5 (mm) SS | PASS |
| Colour value (10%$E_{618nm}$) | ≥ E175 | E181.46 |
| CIELAB value (L*, a*, b*, h*, C*) | 83 ±2, -17 ±2, -18 ±2, 227 ± 2, 25 ±2 | 83.3, -17.3, -19.1, 227.8, 25.7 |
| C-phycocyanin content | 20-30% w/w | 23.8% w/w |
| Pasteurisation Test | No aggregation | No aggregation |
| **HEAVY METAL** | | |
| Arsenic (As) | ≤ 1 ppm | 0.047 ppm |
| Lead (Pb) | ≤ 1 ppm | 0.563 ppm |
| Mercury (Hg) | ≤ 0.1 ppm | < 0.005 ppm |
| Cadmium (Cd) | ≤ 0.5 ppm | 0.002 ppm |

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Safe and Local Supplier Approval

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| MICROBIAL | | |
|---|---|---|
| *Bacillus cereus* (presumptive) | < 20 cfu/g | < 20 cfu/g |
| *Clostridium perfringens* (confirmed) | < 10 cfu/g | < 10 cfu/g |
| *Escherichia coli* (β-glucuronidase positive) | < 10 cfu/g | < 10 cfu/g |
| *Coliforms* (presumptive) | <10 cfu/g | < 10 cfu/g |
| *Listeria* spp. (incl. *Listeria monocytogenes)* | 0 cfu/ 25 g | N.D. |
| Moulds | < 100 cfu/g | < 20 cfu/g |
| Microcystins | Absent / 10 mgs | N.D. |
| *Salmonella* spp. | 0 cfu/ 25 g | N.D. |
| Staphylococci (coagulase positive) | < 20 cfu/g | < 20 cfu/g |
| Total Viable Count at 30°C (aerobic) | < 1000 cfu/g | 25 cfu/g |
| Yeasts | < 100 cfu/g | < 20 cfu/g |

*N.D. = not detected*

## DISCLAIMER

This product sample specification describes the properties and composition of our product sample to the best of our knowledge. Please consult the specification test results in this COA to ensure the sample meets all requirements for your internal testing purposes.

## APPROVAL

| | |
|---|---|
| Name | Dr Joseph Palmer |
| Position | Product Development Manager |
| Date | 07/11/25 |
| Signature | |