

Phycocerythrin

Technical Data Sheet



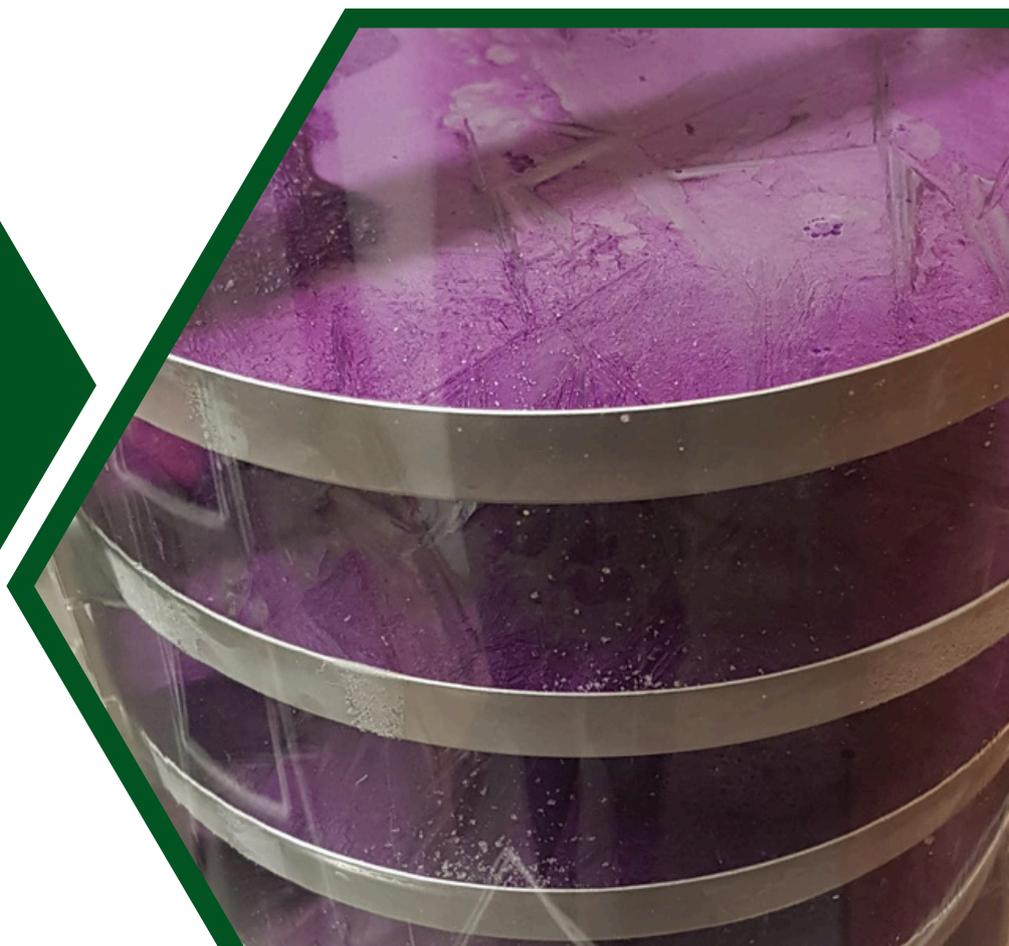


Product Description

Phycoerythrin is a striking, natural red pigment predominantly derived from species of red algae such as *Porphyridium purpureum*. Renowned for its vivid fluorescence and bioactive properties, this pigment plays an essential role in light absorption and energy transfer in photosynthetic organisms.

Beyond its brilliant crimson hue, phycoerythrin offers an array of functional benefits. It possesses potent antioxidant properties, aiding in the neutralization of free radicals that contribute to cellular stress and aging. Research has highlighted its potential in immunomodulation, anti-inflammatory effects, and support for liver health. Additionally, its protein-rich nature makes it a valuable compound in nutritional science and health applications.

The versatility of phycoerythrin extends across multiple industries. In biotechnology, it serves as a powerful fluorescent marker for imaging and diagnostic applications. The natural food and beverage sector appreciates its ability to impart rich red tones in clean-label formulations, while cosmetics and pharmaceuticals explore its therapeutic potential in innovative health solutions. With its remarkable blend of vivid coloration, bioactive potential, and diverse applications, phycoerythrin stands as a testament to nature's ingenuity, bridging science and wellness in extraordinary ways.





Basic Information

| | |
|-----------------|--|
| Product | Phycoerythrin (<i>Porphyridium purpureum</i>) |
| Product Code | PE16-167Y |
| Product Brand | Algae Products International |
| Composition | 100% Phycoerythrin |
| Grade | Food grade |
| Appearance | Normally dark pink, due to crop fluctuations there could be colour variation from lot to lot. |
| Odour and Taste | No odour or taste |
| Solubility | Soluble in water |
| Manufacturer | Algae Products International Limited Vale Refinery, Ynyspenllwch Road Swansea SA6 5QR United Kingdom |
| Origin Country | United Kingdom |
| CAS No. | 11016-17-4 |
| HS Code | 38220090 |



Supplier Details

| | |
|------------------|--|
| Supplier Name | Algae Products International Limited |
| Address | Vale Refinery, Ynyspenllwch Road Swansea SA6 5QR United Kingdom |
| Telephone Number | +44 (0)1792 000 001 |
| Email | sales@algae-products.com |
| Website | www.algae-products.com |

Site of Manufacture

| | |
|------------------|--|
| Supplier Name | Algae Products International Limited |
| Address | Vale Refinery, Ynyspenllwch Road Swansea SA6 5QR United Kingdom |
| Telephone Number | +44 (0)1792 000 001 |
| Email | sales@algae-products.com |
| Website | www.algae-products.com |



Third Party Certification

| Standard | Certifying Body | Date of Registration |
|---------------|----------------------------|----------------------|
| ISO 9001:2015 | Citation ISO certification | Per year |
| ISO14002:2015 | Citation ISO certification | Per year |

Contact Details

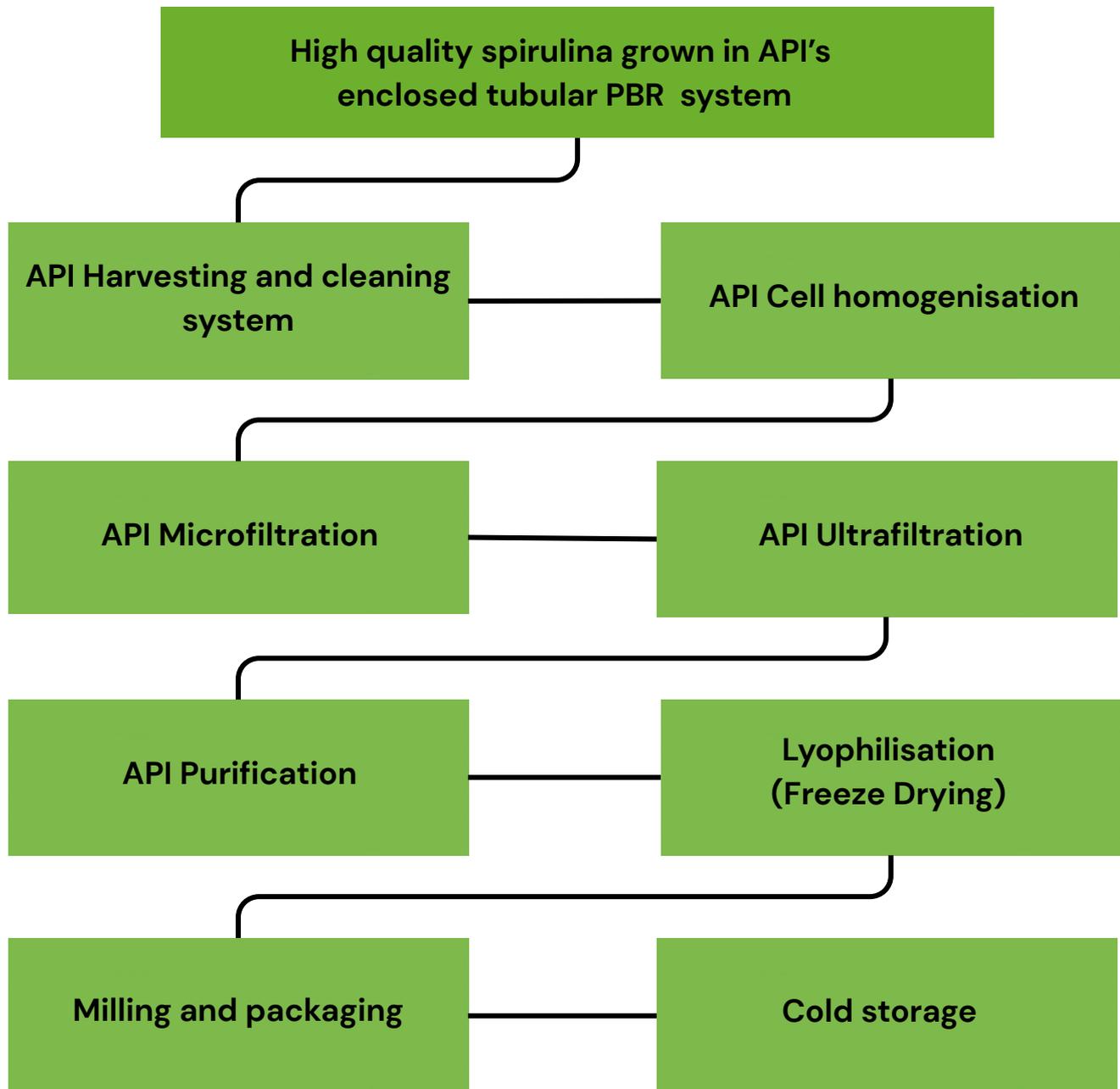
| | Name | E-Mail |
|------------------|--------------|---------------------------|
| Technical | Jack Wade | jack@algae-products.com |
| Sales | Ferhan Rasul | ferhan@algae-products.com |
| Quality | Adnan | adnan@algae-products.com |

Material Composition

| Component | Percentage present | Function | Source | Country of origin |
|---------------|--------------------|--------------|-------------------------------|-------------------|
| Phycoerythrin | 100% | Raw Material | <i>Porphyridium purpureum</i> | United Kingdom |



Processing Information





Shelf Life and Storage Conditions

| | |
|---------------------|--|
| Storage temperature | 5°C to 20°C |
| Storage conditions | Store in a cool, dry place, away from direct sunlight and moisture |
| Shelf life | 2 years from manufacturing date under recommended storage |

Additional Information

This Technical Data Sheet (TDS) has been prepared and issued by Algae Products International Ltd to provide detailed information about the product Phycoerythrin – PE16-167Y. The data presented herein is based on analytical results, internal specifications, and best practices as observed under controlled production and testing environments.

- All product batches are manufactured under strict hygienic conditions and subjected to rigorous quality control procedures.
- This product is traceable through its batch number and production date, ensuring complete transparency and compliance with food safety standards.
- Algae Products International is committed to continuous product improvement and adheres to relevant international food safety regulations and guidelines.
- For technical support, custom documentation, or regulatory assistance, please contact us directly at sales@algae-products.com.