

## ALGUARD™ PF (2359000110)

**INCI Name:** Porphyridium Polysaccharide

### DESCRIPTION

Alguard™ PF is a multi-functional skin active shield that protects and beautifies the skin. It is a standardized and purified polysaccharide solution derived from red microalgae, *Porphyridium sp.*

### FEATURES AND BENEFITS

- 100% natural process free of chemicals, additives or solvents
- Offers 3 layers of protection: Insult Guard, Micro Guard, Sun Guard
- Reduces skin roughness immediately after application
- Visible results by reducing the length and depth of fine lines
- Maintains the skin barrier function and hydration
- Stable up to 160°C and pH 2-9
- Ease of usage in most formulations

### TYPICAL PROPERTIES

|                     |   |
|---------------------|---|
| Appearance          | Opalescent viscous hydro-gel                              |
| Color               | Yellow-Beige  |
| Odor                | Weak  |
| Carrier             | None  |
| Additive            | None  |
| Preservative        | (Phenoxyethanol) 2.0 % Max.                               |
| Total Carbohydrates | 9.0 gr/lit (Phenol-H <sub>2</sub> SO <sub>4</sub> Method) |
| Viscosity           | > 3400 cp (Brookefield DV-E, 12 RPM, S63, RT)             |
| pH                  | 6.0-8.0   |

### MICROBIOLOGICAL DATA

|                               |       |
|-------------------------------|-------|
| Total bacterial count (CFU/g) | < 100 |
| Yeasts and molds (CFU/g)      | < 10  |
| E. coli (CFU/g)               | ND    |
| Salmonella (CFU/g)            | ND    |

Stability 2 years. Store in original, tightly sealed containers in a cool area.

### APPLICATIONS

Alguard™ PF is suitable for many personal care applications including face care, eye care, lip balms, anti-aging, anti-inflammatory, anti-irritant, acne solutions, anti-microbial, anti-viral, and sun care products.

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