

## NSPS I – Natural Sulfated Polysaccharides Gel - Product Specification

### INCI Name: Porphyridium Polysaccharide

Organism (origin of product) : *Porphyridium cruentum* UTEX161

Appearance: Off White -Yellow Gel.

Ingredients: Pure Exo-Poly-Saccharide (EPS) dissolved in distilled water.

Solubility: Highly soluble in water.

Packaging: 0.5 Kg; 1 Kg; 2.5 Kg, 5 Kg; Sealed bags.

Storage: If sealed- keep under 25°C in original packaging.  
After opening it is recommended to keep under 4°C.

Shelf life: 2 years at the recommended storage conditions.

**Minimize exposure to light, heat, oxygen and humidity.**

**Open containers must be resealed and stored refrigerated (4°C) for further usage.**

### Safety information:

This product was produced indoor, from a toxin-free; non GMO microalgae.  
The production-environment and packaging-zone is allergen-free.

**No solvents, pesticides, or irradiation are used in the production process.**

Chemical:

| <b>Carbohydrates comp.</b>                | <b>g/100g sample</b>                |
|---|-------------------------------------|
| Soluble Dietary fiber<br>(without Inulin) | 10-18                               |
| Insoluble Dietary fiber                   | <0.5                                |
| <b>Monosaccharides</b>                    | <b>% of total<br/>Carbohydrates</b> |
| Xylose                                    | 40                                  |
| Glucose                                   | 5-25                                |
| Galactose                                 | 20-30                               |
| Glucuronic ac.                            | 7                                   |
| <b>Sulfated polysaccharide</b>            | 7-13                                |

| <b>Microbiological</b> | <b>CFU/gr</b> |
|------------------------|---------------|
| Total Plate count      | <100          |
| Yeast & Mold           | <10           |
| E-coli                 | <10           |
| Salmonella             | Negative      |
| Listeria               | Negative      |

| <b>Contaminants</b> | <b>By ICP</b> |
|---------------------|---------------|
| Lead                | ≤ 1 ppm       |
| Arsenic             | ≤ 1 ppm       |
| Mercury             | ≤ 0.1 ppm     |
| Cadmium             | ≤ 1 ppm       |