



## BARLEY NATURAL PRODUCT DATA SHEET Natural barley starch

### GENERAL DESCRIPTION

- BARLEY NATURAL is a native barley starch with excellent microbiological status.
- INCI Name: Hordeum Vulgare Seed Flour
- EINECS/ELINCS No.: 286-476-2
- Appearance: white powder
- Odour/Taste: neutral, pure

### ANALYSIS DATA

- |                   |                |               |
|-------------------|----------------|---------------|
| • Moisture:       | max. 10.0%     | ISO 1666      |
| • pH-value:       | 4.5 – 7.0      | 10% slurry    |
| • Ash (in s.):    | max. 0.5%      | 650 °C        |
| • Protein:        | max. 0.6%      |               |
| • Crude fat:      | max. 1%        |               |
| • Nitrogen:       | max. 0.1%      |               |
| • Sieve analysis: | max. 1% > 45µm | air jet sieve |

### Microbiology:

- |                           |              |                 |
|---------------------------|--------------|-----------------|
| • Total plate count:      | max. 100/g   | ISO/Pharm. Eur. |
| • Mould:                  | max. 20/g    | ISO/Pharm. Eur. |
| • Yeast:                  | max. 20/g    | ISO/Pharm. Eur. |
| • E. coli:                | negative/g   | ISO/Pharm. Eur. |
| • Staphylococcus aureus:  | negative/g   | ISO/Pharm. Eur. |
| • Pseudomonas aeruginosa: | negative/g   | ISO/Pharm. Eur. |
| • Salmonella:             | negative/25g | ISO/Pharm. Eur. |

### STERILIZATION

- Low bacterial count by heat sterilization.

### PACKAGING

- In multiply paper bags of 25 kg on pallets of 750 kg each

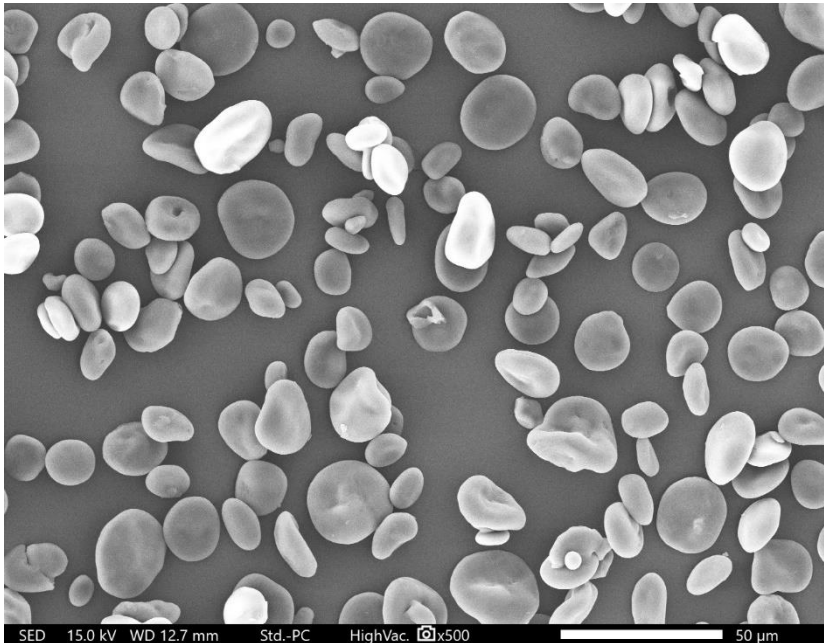
## CUSTOMS TARIFF NUMBER

- 11081990

## STORAGE AND SHELF LIFE

- If properly stored under dry conditions: min. 60 months

## POWDER PROPERTIES



- Particle Size ~16µm average (Laser diffraction)
- Free flowing fine powder

## APPLICATIONS

- **Hair Care:** a fine powder, beneficial for dry shampoo applications, aerosol and non-aerosol. It provides a smooth, natural, slightly off white colour, with added volume to the hair shaft.
- **Skin Care:** natural mattifying property resulting from the oil and sebum absorption, offering light diffusion. Aesthetic improvement, soft and silky enhancement in creams and lotions.
- **Colour Cosmetics:** the small particle size offers similar properties to light scattering benefits, blurring and softening in a natural form, offering replacement of synthetic ingredients like Nylon-12 or PMMA.

Above stated information is indicative only and no responsibility can be assumed. Recommendation is made to check suitability of our product by doing tests on your own.