

**CERTIFICATE OF ANALYSIS**  
**ORGANIC SEA LETTUCE MARINE EXTRACT IN POWDER 25%, FRENCH ORIGIN**  
Organic Ulva sp. marine extract in powder (Ulva lactuca)

Product number: **EP ULB25F**

Batch number: **AB-AL-38-30**

Best before date: **Jul 31, 2027**

|                                          | Specification               | Method                              | Result  | Unit   |
|------------------------------------------|-----------------------------|-------------------------------------|---------|--------|
| <b>1. Physico-chemical analysis</b>      |                             |                                     |         |        |
| Appearance                               | Beige to light green powder | Internal                            | Conform |        |
| Identification (raw material)            | Ulva lactuca                | Macroscopic                         | Conform |        |
| Loss on drying                           | < 10                        | Internal                            | 6.3     | %      |
| Untapped density (indicative)            | > 0,6                       | Internal                            | 0.78    |        |
| Particle size typical                    | <500                        | sieving                             | <500    | micron |
| Magnesium                                | 25 - 30                     | ICP-OES : NF EN 13805 / NF EN 16944 | 27.6    | %      |
| <b>2. Microbiological specifications</b> |                             |                                     |         |        |
| Total plate count                        | <100 000                    | XP V 08-034                         | <20 000 | cfu/g  |
| Yeast & Moulds                           | <500                        | NF V08-059                          | <100    | cfu/g  |
| Enterobacteria                           | <1 000                      | NF V 08-054                         | <100    | cfu/g  |
| E.coli                                   | <10                         | NF ISO 16649-2                      | <1      | /g     |
| coagulase positive staphylococcus        | <10                         | NF EN ISO 6888-2                    | <1      | /g     |
| Clostridium perfringens                  | <5                          | NF EN ISO 7937                      | <1      | cfu/g  |
| Salmonella                               | Absent                      | BRD 07/11-12/05 (conform AFNOR)     | Absent  | /25 g  |

**3. Food safety, regulation and additional information**

Disclaimer                      Informations based on our best knowledge. It remains customer's responsibility to determine wether the product is suitable for its intended use.

## Certificate of analysis 24034674 - 001

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Sample name : ORGANIC SEA LETTUCE MARINE EXTRACT IN POWDER 25%, FRENCH ORIGIN

Marking of sample : Product number/name : EP ULB25F - ORGANIC SEA LETTUCE MARINE EXTRACT IN POWDER 25%, FRENCH ORIGIN  
Batch number: AB-AL-38-30  
Best before date : 31/07/2027

Customer No. : none

Packaging : Glass bottle

Sample amount : 1 x 172 g

Shipping of sample : Courier Service

Sample entry : 19.07.2024

Entrance temperature : Room temperature

Sample taken : by sender

Begin/end of analysis : 19.07.2024 / 25.07.2024

Certificate of analysis : 24034674 - 001

Sample name : ORGANIC SEA LETTUCE MARINE EXTRACT IN POWDER 25%, FRENCH  
ORIGIN

## Test Results

| <i>Chemical/Physical Test</i> | <i>Result</i> | <i>Unit</i> | <i>± MU</i> | <i>MU[%]</i> |
|-------------------------------|---------------|-------------|-------------|--------------|
| Lead                          | 0,81          | mg/kg       | 0,16        | 20           |
| Cadmium                       | 0,17          | mg/kg       | 0,034       | 20           |
| Mercury                       | <0,010        | mg/kg       |             | 20           |

Hamburg, 25.07.2024

## Methods

| <i>Parameter</i> | <i>Method</i>                                |
|------------------|----------------------------------------------|
| Lead             | DIN EN 15763, ICP-MS: 2010-04 <sup>a</sup> É |
| Cadmium          | DIN EN 15763, ICP-MS: 2010-04 <sup>a</sup> É |
| Mercury          | DIN EN 15763, ICP-MS: 2010-04 <sup>a</sup> É |

With <sup>a</sup> marked methods are accredited.