# Raw material specification

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|---|---|
| **Product Name:** | **Chaga Extract** |
| **Specification:** | Polysaccharides > 30 %, Triterpene > 3 % |
| **Valid from:** | 01.01.2024 |

## General specifications

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|---|---|
| **Binomial name** | Inonotus obliquus |
| **Part used** | Sclerotium |
| **Country of origin** | China |
| **Extraction agent** | Ethanol Solution and Water |
| **Extraction ratio** | 16:1 |
| **Method of Production and Processing** | Ethanol Extraction and Water Extraction |
| **Processing** | Grinding Fruiting body, metal detection, Ethanol Extraction (WaterExtraction), Concentration, Water(Ethanol) Precipitation, Spray |
| **Halal and Kosher certification. Confirmation** | Free from solvent residues. |
| **Composition** | 100 % extract |

## Technical specifications

| Test name | Method | Specification | Remarks |
|---|---|---|---|
| Appearance | Visual | Black fine powder | complies |
| Different. Powder / Extract | Microscopy / other | Extract | complies |
| **Polysaccharides** | **UV (ultraviolet spectrophotometry)** | **> 30 %** | **complies** |
| **Triterpene** | **UV (ultraviolet spectrophotometry)** | **> 3 %** | **complies** |
| Loss on drying | 5g 100°C / 2.5hrs | < 7 % | complies |
| Ash | 2g 525°C / 3hrs | < 9 % | complies |
| Particle Size | Screen | 80 mesh | complies |

## Contaminants

| Heavy Metals | Specification | Information |
|---|---|---|
| **Lead** | < 1 mg / kg | EU reg. 2023/915 |
| **Cadmium** | < 1 mg / kg | EU reg. 2023/915 |
| **Mercury** | < 0.1 mg / kg | EU reg. 2023/915 |
| **Arsenic** | <1 mg / kg | EU reg. 2023/915 |

## Contaminants

| | | |
|---|---|---|
| **Pesticides** | complies EU standard | EU reg. 396/2005, 2023/915 |

| **Microbiology** | | |
|---|---|---|
| **TAMC (TPC)** | < 10,000 cfu / g | |
| **TYMC (Yeast & Mould)** | < 100 cfu / g | |
| **E. coli** | absent / 25 g | |
| **Salmonella** | absent / 25 g | |
| **Staphylococcus** | absent / 25 g | |
| **Solvent residues** | Absent | |

| **Others:** | | |
|---|---|---|
| **GMO** | none GMO | EU reg. 1829/2003, 1830/2003 |
| **Irradiatoin** | no irradiation used | EU DIRECTIVE 1999/3/EC |
| **Ionizing radiation** | no Ionizing radiation used | |
| **Nano** | no nano particles contained | |
| **Confirmation of product-contact materials** | Confirmed | Regulation (EC) No 2023/2006 |
| **PAHs** | Complies EU standard | EU reg. 2023/915 |
| **Ethylene oxide, 2-chloroethanol, tropane alkaloids, pyrrolizidine alkaloids** | Absent | |
| **Confirmation of no novel food** | Confirmed | |
| **Confirmation acc. to Reg (EU) No** | Confirmed | EU Reg. No 37/2010 |
| **Basic hygiene** | Confirmed | according to Regulations (EC) No 852, 853, 854 |
| **Confirmation of vegan** | Confirmed | |
| **Safety** | this product is safe for human consumption | for the use in food and food supplements |

## Shelf life and storage conditions

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| **Shelf life** | 36 months when properly stored |
| **Storage parameters** | Store at room temperature or lower, keep tightly closed, protect from light, humidity and insects |

## Packaging

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| **Confirmation of the pack.** | confirmed according to 1935/2004 |
| **External Packaging** | Paper drum or Paper carton |
| **Inner-Packaging** | Filled in PE-bag, filled in second PE bag or Aluminium foil bag. |
| **PE/Aluminium Bags** | food grade,according to Regulation (EU) No 10/2011 |

## Allergens declaration according to Regulation (EU) No 1169/2011

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| **Allergens** | this product contains no allergens. |