RECIPE BOOK

MUSHEEZ®

Premium Organic Functional Mushroom Ingredients

MUSHEEZ®
MUSHROOMS MADE EASY

PureMushroom™

SOLVIQA™

BIOVIT™

Know What's in the Bag™



For RTDs, coffee syrups, bars & snacks, capsules, liquid supplements and much more.

October 2026

MUSHEEZ
KNOW WHAT'S IN THE BAG

WHY MUSHEEZ®

EE-ÖKO-03
Non-EU Agriculture

Helping you choose the right premium functional mushroom ingredients for your products.

Whether you are developing foods, beverages or food supplements, choosing the right mushroom ingredient can be challenging. Differences in quality, documentation, regulatory status and technical specifications can make supplier comparisons difficult.

MUSHEEZ® is an independent, family-owned Estonian company combining European commercial support with carefully selected global sourcing and quality control. Since 2019, we have been helping clients across Europe, including the UK, Switzerland and other EU-aligned markets, source premium organic functional mushroom ingredients with confidence.

Select the right mushroom ingredient with specialist help.

Functional mushrooms are not one ingredient category. Each species has unique cultivation methods, raw materials, extraction processes, regulatory considerations and compounds of interest. A Reishi extract should not be evaluated in the same way as Lion's Mane or Chaga, just as apples, oranges and bananas are not grown, processed or selected in the same way.

Our exclusive focus on functional mushrooms means you work with specialists who understand those differences, helping you select the right ingredient for your application.

Two Organic Functional Mushroom Ingredient Platforms

PureMushroom™ Primarily for food supplement applications	SOLVIQA™ For food and beverage applications
◉ Multiple extract grades	◉ Water extracts & selected 1:1 powders
◉ Compounds of interest measured	◉ Physical characteristics
◉ Analytical purity verification	◉ Sensory data (flavour and odour)

Selected products may cross over into both categories where regulations and application requirements allow.



Know What's in the Bag™

The best purchasing decisions begin with knowing exactly what you are buying.

Our premium extract powders are supported by analytical verification, transparent technical documentation and clearly defined specifications, helping you compare ingredients with greater confidence.

What You Can Expect

Premium organic functional mushroom ingredients

Access a carefully selected and growing portfolio of premium organic functional mushroom ingredients for food and food supplement brands, manufacturers, formulators and distributors.

Verified quality and transparent documentation

Know what's in the bag through analytical verification, transparent documentation and clear product specifications.

International manufacturing standards

Ingredients are manufactured to MUSHEEZ® specifications by certified production partners operating to internationally recognised quality standards, with supporting certification available on request.

Available certifications include:

BRCGS Food Safety CERTIFICATED · NSF International · FSSC 22000 · HACCP Certified Food Safety · American Halal Foundation Certified Halal · Kosher Check Kosher Checked. Globally Accepted

From samples to commercial supply

We support you from initial evaluation through to ongoing commercial volumes, with honest answers, transparent communication and practical guidance at every stage.

Straight talk. No hype. Just a genuine commitment to helping you choose well, launch with confidence, build client trust and grow profitable repeat business.



MUSHEEZ
KNOW WHAT'S IN THE BAG

SOLVIQA™ Functional Mushroom Ingredients

EE-ÖKO-03
Non-EU Agriculture

Explore SOLVIQA™ ingredients online at www.musheez.eu/solviqa

Developed primarily for food and beverage applications.

Every SOLVIQA™ ingredient begins with a premium MUSHEEZ® mushroom ingredient selected for food and beverage applications and, where appropriate, further developed to improve relevant physical characteristics.

SOLVIQA™ ingredients are selected and developed around two core requirements:

- suitability for food use in EU and EU-aligned markets, based on the relevant Novel Food status
- appropriate solubility, dispersibility and other physical characteristics for the intended application and processing method

SOLVIQA™ includes selected water extracts and 1:1 extract powders chosen for specific food and beverage applications. Some ingredients already have suitable physical characteristics, while others are further developed using an organic food-grade carrier to improve dispersibility and powder handling.

Measured Characteristics

Depending on the product, technical information may include:

- Water Solubility Index
- Water Holding Capacity
- Oil Holding Capacity
- Particle size
- Sensory profile
- Nutrition
- Sediment and appearance

Available Species



Lion's Mane



Reishi



Maitake



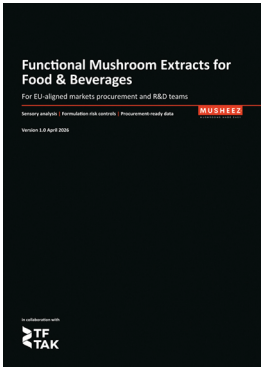
Shiitake

Manufactured to MUSHEEZ® specifications.

Regulatory Positioning

SOLVIQA™ food ingredients are developed using mushroom formats considered suitable for food use under the current EU Novel Food framework.

Final product compliance remains the responsibility of the food business operator and depends on the ingredient, formulation, intended use, target market and claims.



Scan to download the free report

Functional Mushroom Extracts for Food & Beverages

For EU-aligned markets procurement and R&D teams

A free MUSHEEZ® report developed with independent sensory and functional testing by TFTAK, covering physical characteristics, sensory profiles, formulation considerations and procurement data for selected mushroom extracts.

Need help choosing? MUSHEEZ® can help you compare SOLVIQA™ ingredients by application, regulatory status and technical requirements.



TFTAK sensory assessors at work

MUSHEEZ
KNOW WHAT'S IN THE BAG

SOLVIQA™ Lion's Mane

EE-ÖKO-03
Non-EU Agriculture

Organic Lion's Mane *(Hericium erinaceus)*

Fruiting Body Water Extract Powder

Application Ideas

- Bars & bites
- Bakery products
- Pasta & noodles
- Cereals & granola
- Plant-based foods
- Instant meal mixes

Know What's in the Bag™

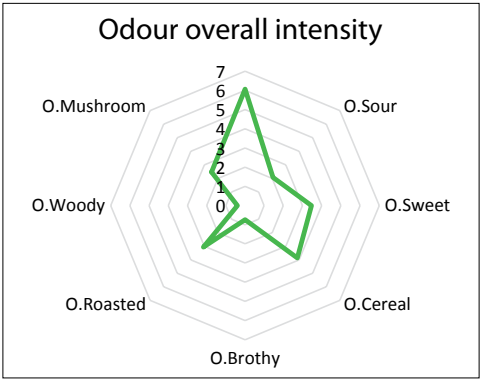
TECHNICAL HIGHLIGHTS	
Property	**Typical Value**
Water Solubility Index (WSI)	47.2%
Water Holding Capacity (WHC)	2.89 g/g
Oil Holding Capacity (OHC)	1.54 g/g
Dry Weight	95.6%
Particle size	D50 <48 µm
Moisture	<7%
Beta-glucans	>18%
Polysaccharides	>20%
Carrier	<10% Hericium erinaceus powder

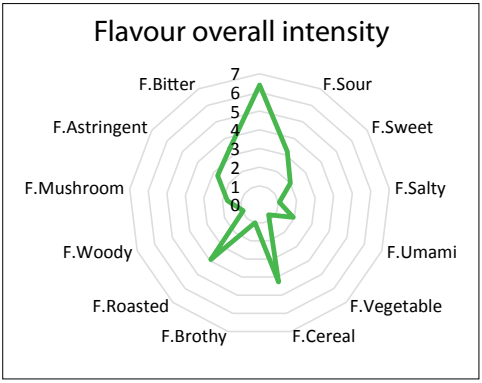
NUTRITIONAL INFORMATION per 100 g			
Energy	297 kcal		
Fat	1.67 g	of which saturates	0.71 g
Carbohydrate	36.8 g	of which sugars	0.49 g
Fibre	29.5 g		
Protein	19 g		
Salt	0.7 g		



Sensory Profile

Independently characterised by TFTAK





Appearance	Yellowish-brown, with sediment • cloudy
Odour	Roasted • Malty • Hay • Fruity • Kvass • Rye bread • Caramel
Flavour	Roasted • Rye bread • Sour • Malty

EU Regulatory Status

Suitable for food and food supplement applications under the current EU Novel Food status of Lion's Mane *(Hericium erinaceus)* fruiting body water extract.*

*Confirm compliance in your destination market(s) as required.

Packaging & Supply

Samples	**Production**	**Manufacturing**
100 g • 1 kg	Original factory sealed 5 kg bags	China

Manufactured to MUSHEEZ® specifications by certified production partners.

Technical Documents:

Specification Sheet

Example COA

MUSHEEZ
KNOW WHAT'S IN THE BAG

SOLVIQA™ Lion's Mane Dispersible

EE-ÖKO-03
Non-EU Agriculture

Organic Lion's Mane *(Hericium erinaceus)* Fruiting Body Water Extract Powder with organic maltodextrin

SOLVIQA™
HIGH DISPERSIBILITY

Application Ideas

- RTD beverages
- Drink powders
- Coffee & latte blends
- Plant-based drinks
- Smoothies
- Bars & bites

Know What's in the Bag™

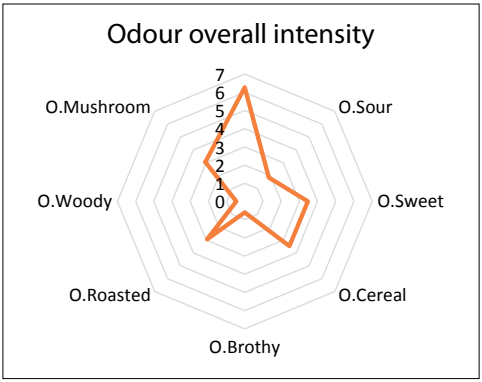
TECHNICAL HIGHLIGHTS	
Property	**Typical Value**
Water Solubility Index (WSI)	64.9%
Water Holding Capacity (WHC)	1.80 g/g
Oil Holding Capacity (OHC)	1.73 g/g
Dry Weight	97.8%
Particle size	D50 <29 µm
Moisture	<7%
Beta-glucans	>10%
Polysaccharides	>30%
Carrier	<20% maltodextrin

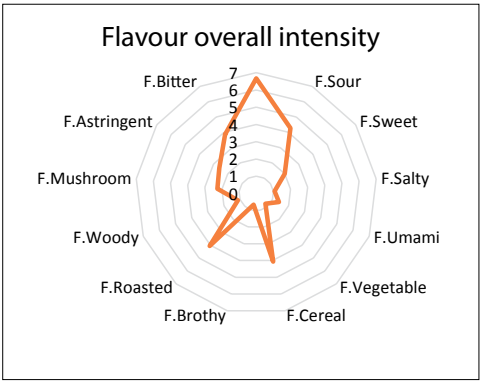
NUTRITIONAL INFORMATION per 100 g			
Energy	323 kcal		
Fat	0.54 g	of which saturates	0.16 g
Carbohydrate	57.7 g	of which sugars	0.5 g
Fibre	12.8 g		
Protein	15.52 g		
Salt	0.06 g		



Sensory Profile

Independently characterised by TFTAK





Appearance	Fine yellow to brown powder
Odour	Roasted • Rye bread • Hay
Flavour	Roasted • Burnt • Rye bread • Woody

EU Regulatory Status

Suitable for food and food supplement applications under the current EU Novel Food status of Lion's Mane *(Hericium erinaceus)* fruiting body water extract.*

*Confirm compliance in your destination market(s) as required.

Packaging & Supply

Samples	**Production**	**Manufacturing**
100 g • 1 kg	Original factory sealed 5 kg bags	China

Manufactured to MUSHEEZ® specifications by certified production partners.

Technical Documents:

Specification Sheet

Example COA

MUSHEEZ
KNOW WHAT'S IN THE BAG

SOLVIQA™ Reishi

EE-ÖKO-03
Non-EU Agriculture

SOLVIQA™
HIGH
DISPERSIBILITY

Organic Reishi (*Ganoderma lucidum*)

Fruiting Body Water Extract Powder

Application Ideas

- RTD functional beverages
- Coffee & latte blends
- Cocoa & chocolate products
- Bars & baked products
- Savoury blends
- Powdered food mixes

Know What's in the Bag™

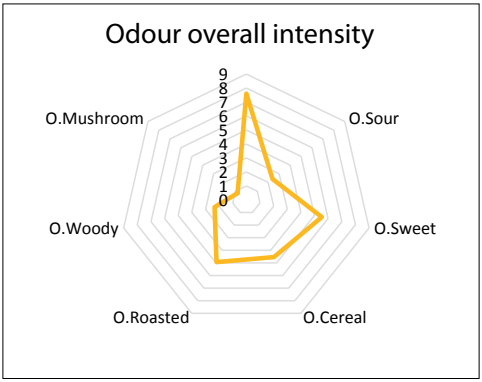
TECHNICAL HIGHLIGHTS	
Property	**Typical Value**
Water Solubility Index (WSI)	63.9%
Water Holding Capacity (WHC)	0.22 g/g
Oil Holding Capacity (OHC)	1.19 g/g
Dry Weight	94.6%
Particle size	D50 <22 µm
Moisture	<7%
Beta-glucans	>15%
Polysaccharides	>20%
Carrier	None

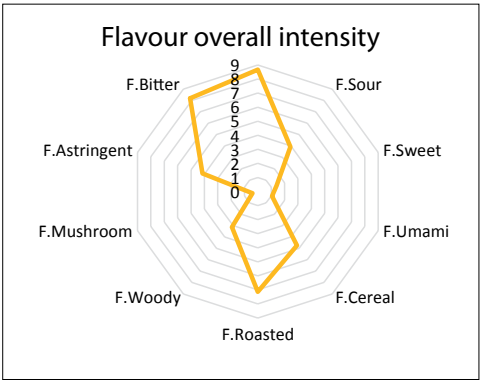
NUTRITIONAL INFORMATION per 100 g			
Energy	321 kcal		
Fat	4.60 g	of which saturates	1.10 g
Carbohydrate	41.5 g	of which sugars	6.3 g
Fibre	26.7 g		
Protein	15.03 g		
Salt	0.75 g		



Sensory Profile

Independently characterised by TFTAK





Appearance	Dark brown • A lot of fine sediment • Resembles coffee
Odour	Malty • Caramel • Roasted • Woody • Kvass • Fruity
Flavour	Very bitter • burnt

EU Regulatory Status

Suitable for food and food supplement applications based on the current EU Novel Food status of Reishi *(Ganoderma lucidum)* fruiting body water extract.*

*Confirm compliance in your destination market(s) as required.

Packaging & Supply

Samples	**Production**	**Manufacturing**
100 g • 1 kg	Original factory sealed 5 kg bags	China

Manufactured to MUSHEEZ® specifications by certified production partners.

Technical Documents:

Specification Sheet

Example COA

MUSHEEZ
KNOW WHAT'S IN THE BAG

MUSHEEZ
KNOW WHAT'S IN THE BAG

SOLVIQA™ Maitake

EE-ÖKO-03
Non-EU Agriculture

SOLVIQA™
MEDIUM
DISPERSIBILITY

Organic Maitake *(Grifola frondosa)*

Fruiting Body Water Extract Powder

Application Ideas

- Drink powders
- Savoury RTD beverages
- Soups & broths
- Sauces & gravies
- Plant-based foods
- Ready meals

Know What's in the Bag™

TECHNICAL HIGHLIGHTS	
Property	**Typical Value**
Water Solubility Index (WSI)	90.5%
Water Holding Capacity (WHC)	N/A
Oil Holding Capacity (OHC)	0.99 g/g
Dry Weight	97.4%
Particle size	D50 <29 µm
Moisture	<7%
Protein	≥30%
Polysaccharides	>30%
Carrier	None

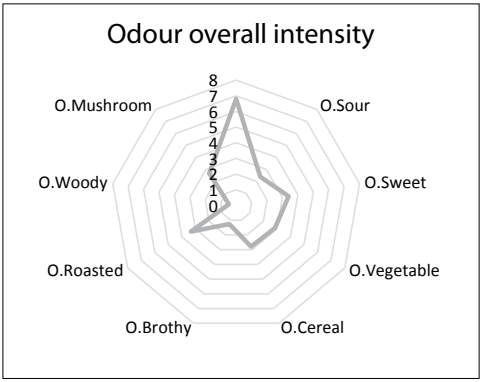
INDICATIVE NUTRITIONAL INFORMATION per 100 g			
Energy	353 kcal		
Fat	0.9 g	of which saturates	0.3 g
Carbohydrate	53.7 g	of which sugars	0.4 g
Fibre	4.1 g		
Protein	30.6 g		
Salt	0.05 g		

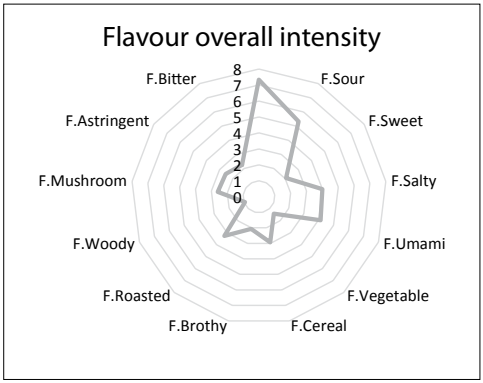
Based on Eurofins analysis (2020), with EU energy calculation. Historical sample values; current batches may differ.



Sensory Profile

Independently characterised by TFTAK





Appearance	Brown colour • Contains sediment
Odour	Turnip • Rye bread • Herbal • Caramel
Flavour	Mushroom • Umami • Sour • Roasted • Rye bread

EU Regulatory Status

Suitable for food and food supplement applications under the current EU Novel Food status of Maitake *(Grifola frondosa)* fruiting body water extract.*

*Confirm compliance in your destination market(s) as required.

Packaging & Supply

Samples	Production	Manufacturing
100 g • 1 kg	Original factory sealed 5 kg bags	China

Manufactured to MUSHEEZ® specifications by certified production partners.

Testing note

At the time of printing the current Megazyme method has not yet produced reliable beta-glucan results for the SOLVIQA™ Maitake water extract. Polysaccharides are measured separately using the phenol-sulphuric acid method. The extract is produced from 100% Maitake fruiting bodies without added substances.

Technical Documents:

Specification Sheet

Example COA

MUSHEEZ®
KNOW WHAT'S IN THE BAG

MUSHEEZ
KNOW WHAT'S IN THE BAG

SOLVIQA™ Shiitake

EE-ÖKO-03
Non-EU Agriculture

Organic Shiitake *(Lentinula edodes)*

Fruiting Body Water Extract Powder

Application Ideas

- Drink powders
- Savoury RTD beverages
- Soups & broths
- Sauces & gravies
- Seasoning blends
- Plant-based foods

Know What's in the Bag™

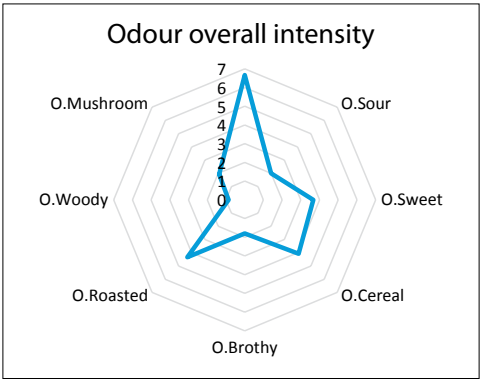
TECHNICAL HIGHLIGHTS	
Property	**Typical Value**
Water Solubility Index (WSI)	62%
Water Holding Capacity (WHC)	1.4 g/g
Oil Holding Capacity (OHC)	1.71 g/g
Dry Weight	96.6%
Particle size	D50 <46 µm
Moisture	<7%
Beta-glucans	>12%
Polysaccharides	>20%
Carrier	10% Lentinula edodes powder

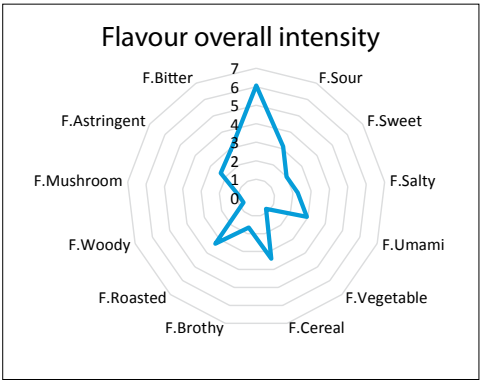
NUTRITIONAL INFORMATION per 100 g			
Energy	313 kcal		
Fat	0.5 g	of which saturates	0.3 g
Carbohydrate	38.4 g	of which sugars	0.5 g
Fibre	25.7 g		
Protein	25.8 g		
Salt	0.05 g		



Sensory Profile

Independently characterised by TFTAK





Appearance	Brown, contains sediment
Odour	Roasted popcorn • Turnip • Sour
Flavour	Umami • Rye bread • Burnt • Beef stock

EU Regulatory Status

Suitable for food and food supplement applications under the current EU Novel Food status of Shiitake *(Lentinula edodes)* fruiting body water extract.*

*Confirm compliance in your destination market(s) as required.

Packaging & Supply

Samples	**Production**	**Manufacturing**
100 g • 1 kg	Original factory sealed 5 kg bags	China

Manufactured to MUSHEEZ® specifications by certified production partners.

Technical Documents:

Specification Sheet

Example COA

MUSHEEZ®
KNOW WHAT'S IN THE BAG

MUSHEEZ
KNOW WHAT'S IN THE BAG

SOLVIQA™

BY **MUSHEEZ®**

FUNCTIONAL FOOD & BEVERAGE SOLUTIONS

More possibilities with mushrooms.

SOLVIQA™ brings together food-suitable mushroom ingredients, new product ideas and liquid ingredient systems for European food and beverage businesses.

01 INGREDIENTS

Choose your mushroom ingredient

Explore fruiting-body water extracts, dispersible grades and selected 1:1 powders for food and drink development.

02 PRODUCT IDEAS

Explore nutrient claim opportunities

Discover product ideas pairing SOLVIQA™ mushroom ingredients with separately supplied BIOVIT™ natural vitamins and minerals.

03 LIQUID SYSTEMS

Liquid ingredients for your next product

Explore mushroom-led liquid ingredient systems for drinks, café concepts and other applications. We welcome projects and orders.

INGREDIENTS AVAILABLE NOW
PRODUCT IDEAS READY TO EXPLORE

EXPLORE THE PLATFORM **solviqa.eu ›**

SOLVIQA™ is a MUSHEEZ® functional mushroom ingredient platform. **Enquiries:** business@musheez.eu

SOLVIQA™ Liquid Systems

Mushroom-led liquid ingredient systems. New food and beverage possibilities.



COFFEE BOOSTERS



COCKTAIL MIXERS



SPARKLING DRINKS

16 ILLUSTRATIVE LIQUID CONCEPTS

From coffee boosters and cacao to ready-to-drink beverages and shots. Explore optional natural nutrients with BIOVIT™.

EARLY-ADOPTER OPPORTUNITIES

Early adopter pricing available until 31 December 2026.

DISCUSS YOUR NEXT CONCEPT

solviqa.eu ›

Illustrative concepts only. Nutrient claims depend on qualifying finished formulations.

MUSHEEZ
KNOW WHAT'S IN THE BAG

PureMushroom™ Extract Powders

EE-ÖKO-03
Non-EU Agriculture

Explore PureMushroom™ extracts online at www.musheez.eu/pure

Developed primarily for food supplement applications.

PureMushroom™ is the MUSHEEZ® range of premium organic functional mushroom extracts, developed primarily for food supplement brands, manufacturers, formulators and distributors seeking high-quality ingredients supported by transparent documentation and analytical verification.

Extract Grades

EXTRACT GRADES		
1:1	**Water Extract**	**Dual Extract**
1:1 powders from mushroom fruiting bodies, Chaga sclerotium or CS4 fermented mycelium.	Concentrated hot water extract.	Water and ethanol extract.

Extract grades vary by species

Know What's in the Bag™

Analytical verification may include:

- **Glucan and polysaccharide testing** - Megazyme methods where reliable, with alternative polysaccharide methods for selected extracts, including Maitake water extract
- **Liquid chromatography – electrospray ionization – quadrupole time-of-flight mass spectrometry (LC-ESI-Q-TOF-MS)** - Batch-level analysis of selected metabolites, including species-specific compounds of interest
- **Nuclear Magnetic Resonance (NMR) spectroscopy** - Random batch verification of species identity, fungal part and excipients, where applicable

Available Species


Lion's Mane


Reishi


Chaga


Shiitake

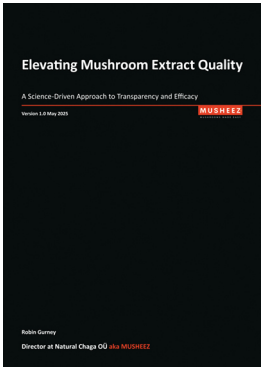

Maitake


Cordyceps CS4

Regulatory Positioning

PureMushroom™ ingredients are developed primarily for food supplement applications. Selected 1:1 extract powders and water extracts are also suitable for food use where permitted under current EU Novel Food requirements.

Dual extracts of all species, and all Chaga and Cordyceps CS4 extracts, are positioned for food supplement applications only.



PureMushroom™ quality report:

Elevating Mushroom Extract Quality

A Science-Driven Approach to Transparency and Efficacy

A free MUSHEEZ® report exploring extract quality, analytical verification and compound-level transparency.

Scan to download the free report.

Need help choosing? MUSHEEZ® can help you compare species, extract grades, compounds of interest, regulatory position and technical documentation.

Manufactured to MUSHEEZ® specifications by certified production partners.

BRCGS Food Safety CERTIFICATED · NSF International · FSSC 22000 · HACCP Certified Food Safety · American Halal Foundation Certified Halal · Kosher Check Kosher Checked. Globally Accepted

MUSHEEZ
KNOW WHAT'S IN THE BAG

PureChaga™

Premium Organic Chaga Extracts

EE-ÖKO-03
Non-EU Agriculture

Organic Chaga *(Inonotus obliquus)* sterile sclerotium (not a fruiting body)

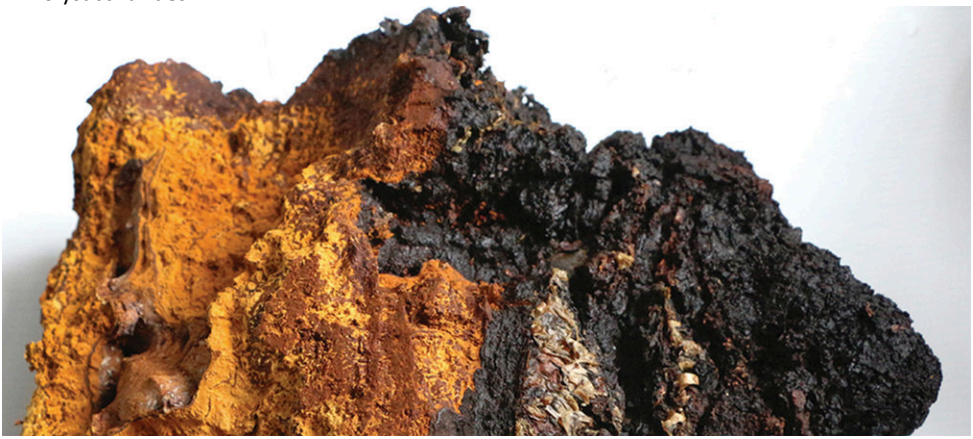
Developed primarily for food supplement applications, PureChaga™ offers premium organic Chaga ingredients in three extract grades, supported by analytical verification and transparent technical documentation.

EXTRACT GRADE		
1:1	**Water Extract**	**Dual Extract**
TECHNICAL DOCUMENTS		

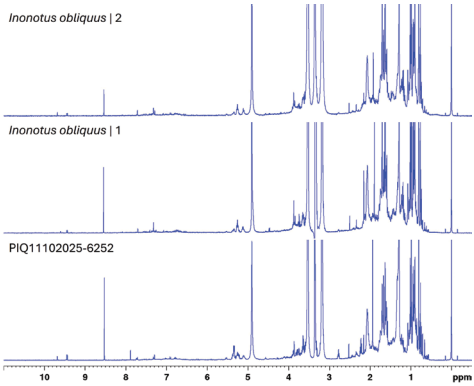
Each QR code opens the technical pack for the selected extract grade, including an Example Certificate of Analysis and Technical Specification.

Measured Compounds of Interest

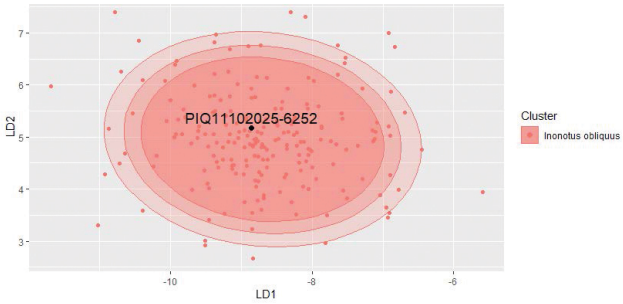
- Inotodiol
- Betulinic acid
- Glucans
- Polysaccharides
- Adenosine
- D-mannitol
- Ergosterol



Nuclear Magnetic Resonance (NMR) identity verification by Purity-IQ



Example PureChaga™ batch compared with authentic Inonotus obliquus reference samples in the Purity-IQ Global Registry.



Analytical Verification

Megazyme – Batch-level analysis of total glucans and beta-glucans

Liquid chromatography – electrospray ionization – quadrupole time-of-flight mass spectrometry (LC-ESI-Q-TOF-MS) –

Batch-level analysis of selected metabolites, including chaga-specific compounds of interest

Nuclear Magnetic Resonance (NMR) spectroscopy –

Random batch verification of species identity, fungal part and excipients, where applicable

EU Regulatory Status

Suitable for food supplement applications. Not currently established for general food use under the current EU Novel Food status.*

**Confirm compliance in your destination market(s) as required.*

Packaging & Supply

Samples	Production	Manufacturing
100 g • 1 kg	Original factory sealed 5 kg bags	China

Manufactured to MUSHEEZ® specifications by certified production partners.

MUSHEEZ
KNOW WHAT'S IN THE BAG

PureLionsMane™

Organic Lion's Mane *(Hericium erinaceus)* Fruiting Body

EE-ÖKO-03
Non-EU Agriculture

EXTRACT GRADE		
1:1	**Water Extract**	**Dual Extract**
TECHNICAL DOCUMENTS		

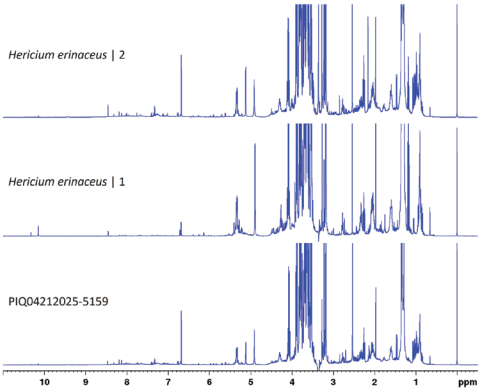
Each QR code opens the technical pack for the selected extract grade, including an Example Certificate of Analysis and Technical Specification.

Measured Compounds of Interest

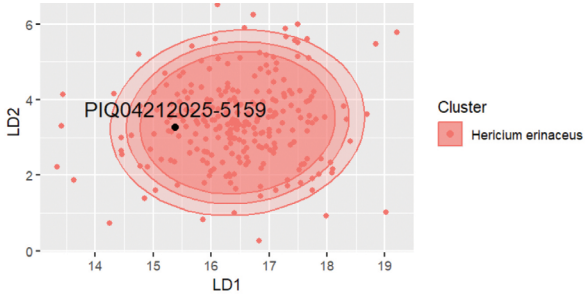
- Adenosine
- D-Mannitol
- Ergosterol
- Ergothioneine
- Hericenone C, D, E, J
- Hericene C, D
- Erinacine A



Nuclear Magnetic Resonance (NMR) identity verification by Purity-IQ



Example PureLionsMane™ batch compared with authentic Hericium erinaceus reference samples in the Purity-IQ Global Registry.



Analytical Verification

Megazyme – Batch-level analysis of total glucans and beta-glucans

Liquid chromatography – electrospray ionization – quadrupole time-of-flight mass spectrometry (LC-ESI-Q-TOF-MS) –

Batch-level analysis of selected metabolites, including lion's mane-specific compounds of interest

Nuclear Magnetic Resonance (NMR) spectroscopy –

Random batch verification of species identity, fungal part and excipients, where applicable

EU Regulatory Status

1:1 and Water Extract grades: suitable for food and food supplement applications.*

Dual Extract: suitable for food supplement applications only.*

**Confirm compliance in your destination market(s) as required.*

Packaging & Supply

Samples	Production	Manufacturing
100 g • 1 kg	Original factory sealed 5 kg bags	China

Manufactured to MUSHEEZ® specifications by certified production partners.

MUSHEEZ
KNOW WHAT'S IN THE BAG

PureReishi™

Organic Reishi *(Ganoderma lucidum)* Fruiting Body

EE-ÖKO-03
Non-EU Agriculture

EXTRACT GRADE		
1:1	**Water Extract**	**Dual Extract**
TECHNICAL DOCUMENTS		

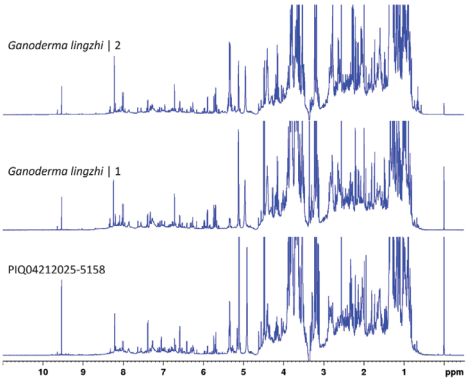
Each QR code opens the technical pack for the selected extract grade, including an Example Certificate of Analysis and Technical Specification.

Measured Compounds of Interest

- Adenosine
- D-Mannitol
- Ergosterol
- Ergothioneine
- Ganoderic acid A, B, C1, C2, C6, D
- Lucidenic acid D



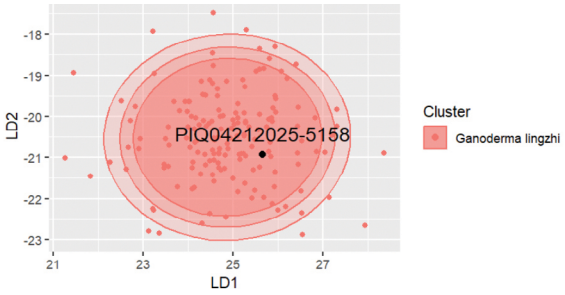
Nuclear Magnetic Resonance (NMR) identity verification by Purity-IQ



Example PureReishi™ batch compared with authentic Ganoderma lingzhi reference samples in the Purity-IQ Global Registry.

Why two scientific names?

Asian Reishi has traditionally been sold as Ganoderma lucidum. Purity-IQ uses Ganoderma lingzhi for its authenticated Asian Reishi reference.



Analytical Verification

Megazyme – Batch-level analysis of total glucans and beta-glucans

Liquid chromatography – electrospray ionization – quadrupole time-of-flight mass spectrometry (LC-ESI-Q-TOF-MS) –

Batch-level analysis of selected metabolites, including reishi-specific compounds of interest

Nuclear Magnetic Resonance (NMR) spectroscopy –

Random batch verification of species identity, fungal part and excipients, where applicable

EU Regulatory Status

1:1 and Water Extract grades: suitable for food and food supplement applications.*

Dual Extract: suitable for food supplement applications only.*

**Confirm compliance in your destination market(s) as required.*

Packaging & Supply

Samples	Production	Manufacturing
100 g • 1 kg	Original factory sealed 5 kg bags	China

Manufactured to MUSHEEZ® specifications by certified production partners.

MUSHEEZ
KNOW WHAT'S IN THE BAG

PureShiitake™

Organic Shiitake *(Lentinula edodes)* Fruiting Body

EE-ÖKO-03
Non-EU Agriculture

EXTRACT GRADE	
1:1	**Water Extract**
TECHNICAL DOCUMENTS	

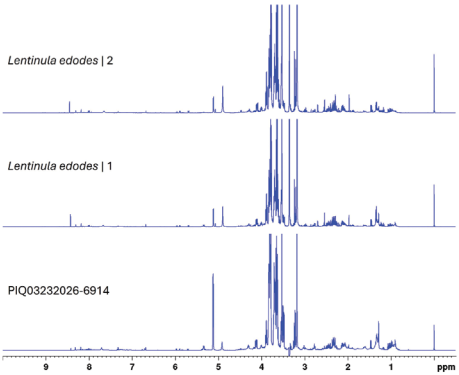
Each QR code opens the technical pack for the selected extract grade, including an Example Certificate of Analysis and Technical Specification.

Measured Compounds of Interest

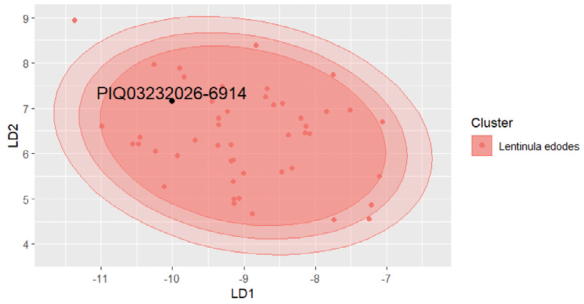
- Adenosine
- D-Mannitol
- Ergosterol
- Ergothioneine



Nuclear Magnetic Resonance (NMR) identity verification by Purity-IQ



Example PureShiitake™ batch compared with authentic Lentinula edodes reference samples in the Purity-IQ Global Registry.



Analytical Verification

Megazyme – Batch-level analysis of total glucans and beta-glucans

Liquid chromatography – electrospray ionization – quadrupole time-of-flight mass spectrometry (LC-ESI-Q-TOF-MS) –

Batch-level analysis of selected metabolites, including shiitake-specific compounds of interest

Nuclear Magnetic Resonance (NMR) spectroscopy –

Random batch verification of species identity, fungal part and excipients, where applicable

EU Regulatory Status

Suitable for food and food supplement applications under the current EU Novel Food status.*

**Confirm compliance in your destination market(s) as required.*

Packaging & Supply

Samples	Production	Manufacturing
100 g • 1 kg	Original factory sealed 5 kg bags	China

Manufactured to MUSHEEZ® specifications by certified production partners.

MUSHEEZ
KNOW WHAT'S IN THE BAG

PureMaitake™

Organic Maitake *(Grifola frondosa)* Fruiting Body

EE-ÖKO-03
Non-EU Agriculture

EXTRACT GRADE	
1:1	**Water Extract**
TECHNICAL DOCUMENTS	

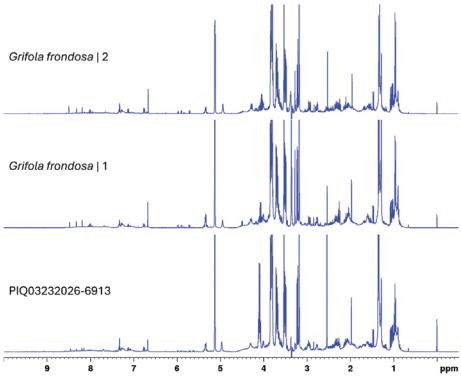
Each QR code opens the technical pack for the selected extract grade, including an Example Certificate of Analysis and Technical Specification.

Measured Compounds of Interest

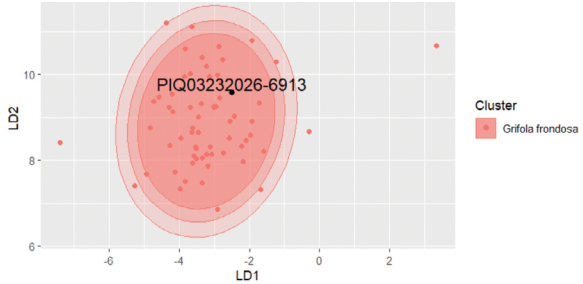
- Adenosine
- D-Mannitol
- Ergosterol
- Ergothioneine



Nuclear Magnetic Resonance (NMR) identity verification by Purity-IQ



Example PureMaitake™ batch compared with authentic Grifola frondosa reference samples in the Purity-IQ Global Registry.



Analytical Verification

Glucan testing – Megazyme methods where reliable. For Maitake water extract, current kit testing has not produced reportable beta-glucan results. Polysaccharides are assessed separately using the phenol-sulphuric acid method.

Liquid chromatography – electrospray ionization – quadrupole time-of-flight mass spectrometry (LC-ESI-Q-TOF-MS) –

Batch-level analysis of selected metabolites, including maitake-specific compounds of interest

Nuclear Magnetic Resonance (NMR) spectroscopy –

Random batch verification of species identity, fungal part and excipients, where applicable

EU Regulatory Status

Suitable for food and food supplement applications under the current EU Novel Food status.*

**Confirm compliance in your destination market(s) as required.*

Packaging & Supply

Samples	Production	Manufacturing
100 g • 1 kg	Original factory sealed 5 kg bags	China

Manufactured to MUSHEEZ® specifications by certified production partners.

MUSHEEZ
KNOW WHAT'S IN THE BAG

PureCordyceps™

EE-ÖKO-03
Non-EU Agriculture

Organic Cordyceps CS4 *(Samsoniella hepiali)*

Submerged Liquid-Fermented Mycelium

EXTRACT GRADE	
1:1	**Water Extract**
TECHNICAL DOCUMENTS	

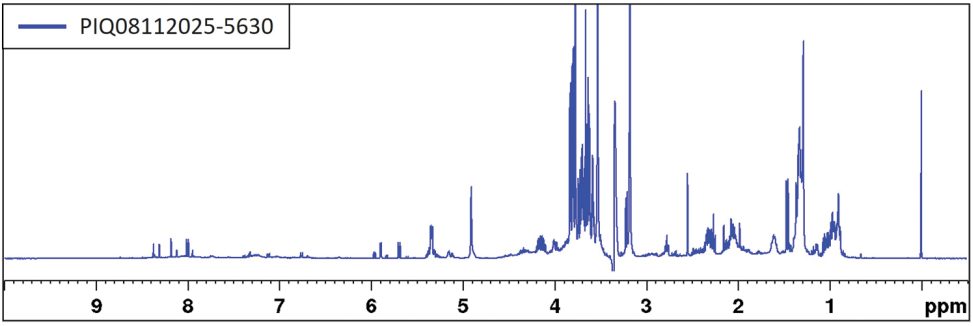
Each QR code opens the technical pack for the selected extract grade, including an Example Certificate of Analysis and Technical Specification.

Measured Compounds of Interest

- Adenosine
- D-Mannitol
- Ergosterol
- Ergothioneine



Nuclear Magnetic Resonance (NMR) identity verification by Purity-IQ



Example NMR spectrum for a PureCordyceps™ batch.

What is Cordyceps CS4?

CS4 is fermented Samsoniella hepiali mycelium, commonly sold as "Cordyceps sinensis CS-4". Our CS4 extracts are intended for food supplement applications only.

Analytical Verification

Megazyme – Batch-level analysis of total glucans and beta-glucans

Liquid chromatography – electrospray ionization – quadrupole time-of-flight mass spectrometry (LC-ESI-Q-TOF-MS) –

Batch-level analysis of selected metabolites, including compounds of interest relevant to CS4.

Nuclear Magnetic Resonance (NMR) spectroscopy –

Random batch verification of species identity, fungal part and excipients, where applicable

EU Regulatory Status

Suitable for food supplement applications. Not currently established for general food use under the current EU Novel Food status.*

*Confirm compliance in your destination market(s) as required.

Packaging & Supply

Samples	Production	Manufacturing
100 g • 1 kg	Original factory sealed 5 kg bags	China

Manufactured to MUSHEEZ® specifications by certified production partners.

MUSHEEZ
KNOW WHAT'S IN THE BAG

Viitake™ by BIOVIT™

Organic Shiitake (Lentinula edodes) Fruiting Body Extract
Naturally Occurring Vitamin D2 + Vitamin B12

Viitake™ is a low-inclusion organic shiitake extract providing naturally occurring vitamin D2 and vitamin B12 from a single mushroom-derived ingredient.

At just **29.8 mg per serving**, Viitake™ is specified for the "Source of" level for both vitamins.

Why Viitake™?

Functional mushroom products have a strong consumer story, but conventional Lion's Mane, Reishi, Chaga, Cordyceps, Shiitake and Maitake powders and extracts do not have authorised EU health claims.

Viitake™ provides another route.

By adding naturally occurring vitamin D2 and B12 at a very low inclusion level, brands can build formulations around authorised vitamin health claims while keeping the mushroom ingredient at the centre of the product.

The mushroom remains the hero. The vitamins provide the authorised claim framework.

TECHNICAL HIGHLIGHTS	
Property	**Specification**
Ingredient	Organic Shiitake Mushroom Extract
Mushroom part	Fruiting body
Vitamin D2	Minimum 1 µg per 29.8 mg serving
Vitamin B12	Minimum 0.4 µg per 29.8 mg serving
"Source of" inclusion	29.8 mg per serving
"High in" inclusion	59.6 mg per serving
Extraction	Aqueous
Organic	Yes
Vegan	Yes
GMO Free	Yes
Shelf life	24 months

Inclusion levels are based on the specified vitamin content per serving. Eligibility for EU nutrition and health claims depends on the final product formulation, format and serving size.

Fits naturally into the MUSHEEZ® formulation platform

PureMushroom™ + Viitake™ – For selective food supplement formulations.

SOLVIQA™ + Viitake™ – For food and beverage formulation development.

At around **30 mg per serving**, Viitake™ takes up very little formulation space, leaving room for the desired mushroom inclusion level. ***Patent pending***.

BIOVIT™ ingredients distributed in Europe by MUSHEEZ®

KNOW WHAT'S IN THE BAG

Viitake™ Health Claim Opportunities

Viitake™ can sit alongside PureMushroom™ extracts, SOLVIQA™ ingredients or other functional ingredients, providing naturally occurring vitamin D2 and B12 at a very low inclusion level.

Lion's Mane + Viitake™ **Psychological function • nervous system function**

Vitamin B12 contributes to normal psychological function, normal functioning of the nervous system, normal energy-yielding metabolism and the reduction of tiredness and fatigue.

Cordyceps + Viitake™ **Energy metabolism • reduced tiredness and fatigue**

Vitamin B12 contributes to normal energy-yielding metabolism, the reduction of tiredness and fatigue and normal red blood cell formation.

Reishi or Chaga + Viitake™

Immune-support formulations

Vitamin D and vitamin B12 contribute to the normal function of the immune system.

Brands using BIOVIT™ natural vitamins and minerals can use the BIOVIT™ Trust Mark on pack free of charge, giving consumers a simple visual signal that the product contains natural vitamin and mineral ingredients.



Source: BIOVIT Trust Mark consumer research, Swansea University & Kaleidoscope. biovit.com/trust-mark

The BIOVIT™ Range

Natural vitamins and minerals derived from plants, algae and fungi for food, drink and supplement formulation.

VITAMINS		MINERALS
Vitamin A *Moringa*	Biotin B7 *Sunflower seed & coriander*	Calcium *Algae*
Vitamin C *Acerola*	Folate B9 *Spinach*	Iron *Curry leaf*
Vitamin D2 *Shiitake*	Vitamin B12 *Shiitake*	Zinc *Guava*
Vitamin D3 *Lichen*		Magnesium *Sea water*
Vitamin E *Moringa*		Selenium *Sunflower seed*
Vitamin K2 *Parsley*		Chromium *Parsley & curry leaf*
Vitamin B6 *Lemon peel*		Iodine *Seaweed*

Single nutrients and tailored premix solutions available.

MUSHEEZ
KNOW WHAT'S IN THE BAG

SOLVIQA™ 1:1 Extract Powders

EE-ÖKO-03
Non-EU Agriculture

For food applications where high dispersibility is not required.

SOLVIQA™ 1:1 extract powders are steam-treated and re-dried fruiting-body powders selected for food applications where the formulation does not require the higher dispersibility of a water extract.

Lion's Mane 1:1 Extract Powder Also PureMushroom™

Organic Lion's Mane (Hericium erinaceus) fruiting body

Application Ideas

- Bakery products
- Pasta & noodles
- Crackers & biscuits
- Soups & stews
- Baked cereals & granola
- Plant-based foods

Know What's in the Bag™

TECHNICAL HIGHLIGHTS	
Property	**Typical Value**
Water Solubility Index (WSI)	28.85%
Water Holding Capacity (WHC)	2.82 g/g
Oil Holding Capacity (OHC)	1.79 g/g
Dry Weight	95.53%
Particle size	D50 <20 µm
Moisture	<9%
Beta-glucans	>28%
Polysaccharides	>5%
Carrier	none

EU Regulatory Status

Suitable for food and food supplement applications under the current EU Novel Food status of Lion's Mane (Hericium erinaceus) fruiting body powder.*

**Confirm compliance in your destination market(s) as required.*

Sensory Profile **Independently characterised by TFTAK**

Appearance	Light yellow / orange / caramel-like. Fine sediment.
Odour	Caramelly • honey-like • fruity • floral • hay-like • herbal
Flavour	Woody • roasted • fruity • hay-like • grainy

Why this grade?

A practical option for bakery, pasta, savoury and other food formats where higher dispersibility is not required. Final suitability depends on formulation, inclusion level and processing conditions.

More SOLVIQA™ 1:1 Extract Powders

The same 1:1 format is available in Reishi, Shiitake and Maitake, giving formulators a choice of species for savoury, bakery, pasta and plant-based applications.



Reishi 1:1 Extract Powder

Also PureMushroom™

Organic Reishi *(Ganoderma lucidum)* fruiting body

Technical highlights

Beta-glucans	**>45%**
Fibre	**79.6 g/100 g**

Application Ideas

Soups & stews • Pasta & noodles
Crackers & savoury biscuits
Savoury bakery • Plant-based foods
Cooked meal bases



Shiitake 1:1 Extract Powder

Also PureMushroom™

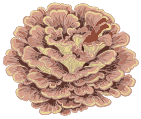
Organic Shiitake *(Lentinula edodes)* fruiting body

Technical highlights

Beta-glucans	**>25%**
Fibre	**40 g/100 g**

Application Ideas

Soups & stews • Pasta & noodles
Crackers & savoury biscuits
Plant-based foods • Savoury bakery
Cooked meal bases



Maitake 1:1 Extract Powder

Also PureMushroom™

Organic Maitake *(Grifola frondosa)* fruiting body

Technical highlights

Beta-glucans	**>18%**
Fibre	**37 g/100 g**

Application Ideas

Soups & stews • Pasta & noodles
Crackers & savoury biscuits
Savoury bakery • Plant-based foods
Cooked meal bases

Shared format

All four SOLVIQA™ 1:1 ingredients are steam-treated and re-dried fruiting-body powders.

Packaging & Supply

Samples	**Production**	**Manufacturing**
100 g • 1 kg	Original factory sealed 5 kg bags	China

Manufactured to MUSHEEZ® specifications by certified production partners.



MUSHEEZ
KNOW WHAT'S IN THE BAG

Different businesses. Different starting points.

Some clients come to MUSHEEZ® with their first functional mushroom product idea. Others already have established ranges, suppliers and formulations.

We work with supplement brands, food and beverage developers, manufacturers, distributors, retailers and start-ups across Europe. Sometimes the job is to launch something new. Sometimes it is simply to improve, extend or replace what is already there.

What will you develop with MUSHEEZ®?

- **White & Private label supplements**
  Capsules, liquid extracts or extract powder pouches
- **Range extensions**
  New species, formats or ingredient grades
- **Coffee & café concepts**
  Coffee boosters, coffee alternatives or mushroom coffees
- **Functional foods**
  Chocolate, bars & snacks or instant breakfast and meal blends
- **Single-serve formats**
  Sachets, shots or sticks
- **Functional drinks**
  Matcha lattes, instant drink powders or RTDs

From first concept to established range, MUSHEEZ® can help you develop what comes next.







MUSHEEZ® (Natural Chaga OÜ)
Kõrve, Pillapalu, Estonia, 74502
+372 55929479
business@musheez.eu
www.musheez.eu

Business registry code: 14486621
VAT code: EE102081273
EORI: EE14486621
MUSHEEZ® is a registered trademark of Natural Chaga OÜ in the European Union.