

Classic Specifications

upgrain



Physical & chemical properties:

Declaration:	Barley malt spent grain
Ingredients:	Barley protein & fiber
Appearance:	Beige powder
Taste:	Typical, cereals
Odor:	Typical, cereal
Moisture:	max. 8.5 %
pH-Value:	3.8 - 5.2
Protein Content:	27 %
Fiber content:	47 %
Minerals:	3.2 % - 4.0 %
Country of origin:	Switzerland (CH)
Country of production:	Switzerland (CH)
GMO:	No genetically modified organisms.
Vegan/Vegetarian:	yes
Particle size:	(d90) 125 - 250 µm
Best before:	18 months
Organic variant:	expected in 2025

Storage and transportation conditions: cool and dry

Allergen information:

Contains: gluten

Certifications:

Halal Certification:	Yes
Kosher Certification:	Yes
CH Organic Regulation:	In clarification
FSSC22000:	Available from manufacturer (Brauerei Locher AG) Available from packer (Löffel Mühlen AG)

Legal clarifications:

CH The product complies with the requirements of the regulations from the FDHA on maximum contaminant levels (Kontaminantenverordnung, VHK) of February 1, 2024, and the Guidelines on Compliance with EU Food Information Legislation, December 2012.

EU The product is not subject to labeling requirements according to regulation (EG) No. 1829/2003 and 1830/2003 of the European Parliament and Council.

Nutrients (Big 8):

Calorific value		1281 kJ	/100 g
Calories		311 kcal	/100 g
Protein (Nx6.25)		23.80 g	/100 g
Carbohydrates		0.50 g	/100 g
of which sugar		0.43 g	/100 g
of which lactose		<0.1 g	/100 g
Fat		12.20 g	/100 g
of which saturated fatty acids		3.10 g	/100 g
Dietary fiber		52 g	/100 g
Common salt	NaCl	< 0.01 g	/100 g
of which sodium	NA	0.001 g	/100 g

Fatty acids Totals:

Saturated fatty acids	2.8 g	/100 g
Monounsaturated fatty acids	1.7 g	/100 g
Polyunsaturated fatty acids	8.8 g	/100 g
Omega-3 fatty acids	1.01 g	/100 g
Omega-6 fatty acids	7.74 g	/100 g

Total amino acids:

Alanine	ALA	1.14 g	/100 g
Arginine	ARG	1.38 g	/100 g
Aspartic acid	ASP	1.8 g	/100 g
Cystine	CYS2	0.44 g	/100 g
Glutamic acid	GLU	5.94 g	/100 g
Glycine	GLY	1.08 g	/100 g
Histidine	HIS	0.59 g	/100 g
Isoleucine	ILE	0.12 g	/100 g
Leucine	LEU	2.16 g	/100 g
Lysine	LYS	0.96 g	/100 g
Methionine	MET	0.46 g	/100 g
Phenylalanine	PHE	1.62 g	/100 g
Proline	PRO	3.06 g	/100 g
Serine	SER	1.26 g	/100 g
Threonine	THR	1.02 g	/100 g
Tryptophan	TRY	0.43 g	/100 g
Tyrosine	TYR	1.02 g	/100 g
Valine	VAL	1.32 g	/100 g

Vitamins:

Vitamin B12 (cyanocobalamin)	0.7 µg	/100 g
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Elements:

Calcium	Ca	4080 mg	/kg
Iron	Fe	170 mg	/kg
Magnesium	Mg	2180 mg	/kg
Phosphorus	P	4300 mg	/kg
Zinc	Zn	148 mg	/kg

Mycotoxins:

Total aflatoxins (B1+B2+G1+G2)	4 µg /kg
with processing factor	<12 µg /kg
Ochratoxin A	3 µg /kg
with processing factor	<9 µg /kg

Microbiology:

Aerobic mesophilic total bacterial count	<10 ⁶	Kbe/g
Escherichia coli	<10	Kbe/g
Bacillus cereus	<10 ³	Kbe/g
Coagulase-positive staphylococci	<10 ²	Kbe/g
Spores of sulphite-reducing clostridia	<10 ²	Kbe/g
Salmonella spp.	n.n	in 25g
Yeasts and molds (total)	<100	Kbe/g

Nutritional value per 100 g

Energy	1'281 kJ	/100 g
	311 kcal	/100 g
Protein	23.80 g	/100 g
Carbohydrates	0.50 g	/100 g
of which sugars	0.43 g	/100 g
Fat	12.20 g	/100 g
of which saturated fatty acids	3.10 g	/100 g
Dietary fiber	52 g	/100 g
Common Salt (NaCl)	0.001 g	/100 g