



AZ-fruit, s.r.o.
třída 1. máje 3414/11c
690 02 Břeclav
Czech Republic

PRODUCT SPECIFICATION
MALT EXTRACT – DARK
(Gluten Free)

DESCRIPTION

A hot water extract of roasted barley (*Hordeum vulgare*) malt, conditioned within our brewery prior to concentration by vacuum evaporation.

The product is manufactured according to the standards specified by the BRC Global Standard for Food Safety, Issue 6.

Appearance : Brown viscous liquid, free from extraneous matter.
Odour : Very mild roasted malt, mocha, fermented and free from foreign odours.
Flavour : Consistent characteristic, fermented, mild roast malt flavour, and free from off flavours.

Ingredients: Roasted Malted Barley , Water,
-contains no additives

Definition: Malt Extract – foodstuff with colouring properties

PACKAGING

Min 20kg net pack – bag in box

SHELF LIFE / STORAGE

12 months maximum for unopened pack at ambient temperature 5 – 25°C

After opening product must be stored at a temperature below 5°C and used within 4 weeks
avoid ingress of air, reseal package with valve or cap.

ANALYTICAL PARAMETERS

*Solids	dry wt % (3 hours 105C)	40- 48
*Colour	EBC A430 nm (10mm cell) w/v 1g/1000mls	16500-17500
*pH	10% w/v sol ⁿ	3.0-4.0
*Haze- Turbidity	EBC 0.5% w/v soln	<4.0
*Hue Index		>3.5
*Alcohol	ABV	Nil
*Bitterness	BU A275nm	<100
*Density		1.175-1.218
*Viscosity	Centipoise	<3500
*Gluten	ELISA ppm	<20

*** Parameters specified on Certificate of Analysis**



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MICROBIOLOGICAL PARAMETERS

	Method	Target	Acceptable
*TVC	UKAS Accredited Method	<4/g	100/g
*Enterobacteriaceae	UKAS Accredited Method	Not Detected	<4/g
*E. coli	UKAS Accredited Method	Not Detected	<4/g
*S. aureus	UKAS Accredited Method	Not Detected	<4/g
*Salmonella	UKAS Accredited Method	ND / 50g	ND / 25g
*Clostridia sp.	UKAS Accredited Method	Not Detected	<4/g
*Lactobacillus sp.	UKAS Accredited Laboratory	Not Detected	<4/g
*Acetobacter	UKAS Accredited Laboratory	Not Detected	<4/g
*Yeast and Mould	UKAS Accredited Method	<4/g	<20/g
*Osmophilic Yeast	UKAS Accredited Method	<4/g	<20/g

*** Parameters specified on Certificate of Analysis**

NUTRITIONAL PARAMETERS (Typical/100g)

Energy kJ / kcals	C	760/ 179
Protein (N x 6.25)	A	2.0
Carbohydrate	C	42.3
as sugars		1.0
as oligosaccharides		33.3
Starch	A	0.1
Total Fat	A	0
Saturated fat		-
Unsaturated Fat		-
Dietary Fibre	A	8.0
Moisture	A	55.2
Sodium	A	5.0mg
Ash	A	0.4
Gluten, barley protein	A	<20ppm

HEAVY METALS

Copper	0.32 ppm	Mercury	<0.01 ppm
Iron	9.0 ppm	Cadmium	<0.01 ppm
Lead	<0.01 ppm	Arsenic	<0.01 ppm
Zinc	0.5 ppm		

PESTICIDE RESIDUE AND TOXINS

Aflatoxin B1/B2	<1ppb	3-MCPD	<0.5ppm
Aflatoxin G1/G2	<1ppb	Pesticides	None Found
Vomitoxin DON	<5ppb	SO2	<10ppm
Ochratoxin A	<1ppb	NDMA	<5ppb



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ALLERGENS

Product free from category	Yes	No	Product free from category	Yes	No
Nuts* see declaration	✓		Additives	✓	
Sesame seeds and derivatives	✓		Azo and coal tar dyes	✓	
Milk and milk derivatives	✓		Glutamates	✓	
Egg and egg derivatives	✓		Benzoates	✓	
Soy and soy derivatives	✓		Sulphites	✓	
Oat and oat derivatives	✓		Aspartame	✓	
Maize and maize derivatives	✓		Sulphur dioxide	✓	
Wheat and wheat derivatives		✓	BHA/BHT	✓	
Barley and barley derivatives		✓		✓	
Gluten	✓		Antioxidants	✓	
Fruit and fruit derivatives	✓		Added colours (natural or artificial nature identical)	✓	
Yeast and yeast derivatives	✓		Flavourings(natural or artificial nature identical)	✓	
Vegetables and vegetable derivatives	✓		Preservatives(Pot.Sorbate 1000ppm)	✓	
Fish, crustaceans, molluscs and derivatives	✓		Sweeteners	✓	
Animal fat (other than milk proteins)	✓		Mono sodium glutamate	✓	
All bovine products	✓		Other additives	✓	
All animal products and by-products (including carriers and solvents)	✓		Royal Jelly	✓	
Gelatine	✓		Bee Pollen	✓	
Added salt	✓		Seeds (sunflower, rapeseed,cotton,lupin) their oils and derivatives	✓	
Added sugar	✓		Mustard and derivatives	✓	
Dietary information			Certified		
Suitable for ova-lacto vegetarians	✓				✓
Suitable for vegans	✓				✓
Diabetics	✓				✓
Halal requirements	✓		Islamic Food Council of Europe	✓	
Kosher	✓		Pareve non-Passover-KLBD	✓	
Coeliacs	✓				

- **Gluten Free:** Batch analysis ensures compliance with the requirements for the declaration of “Gluten Free” less than 20ppm suitable for coeliacs.
- **Free from nuts declaration:** Absolute absence of all nut and nut products, including oils and sources of vegetable protein containing derivatives of nuts in the product.
- **Free from foreign contaminants:** The raw material passes over magnets and the product passes through a 1.00mm sieve prior to packaging.
- **Genetically modified Organisms :** With regard to the Regulation (EC) No. 1829/2003 and (EC) No. 1830/2003 of the European Parliament and the EU Labelling Directive 2000/13/EC our products are GMO free therefore do not require any GM-labelling.