



PRODUCT SPECIFICATION

RD34
Gluten Free

DESCRIPTION

A hot water extract of roasted barley (*Hordeum vulgare* L.) malt, concentrated by vacuum evaporation and spray dried to produce a fine granular powder.

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

Appearance: Dark brown or black granular powder; free from extraneous matter.

Odour: Characteristic roasted malt; burnt toast, coffee-like; free from fermented & foreign odours.

Flavour: Consistent characteristic; mild roast; burnt toast or coffee-like; free from fermented, strong or off flavours.


Application: For use in bakery, confectionary; ice cream; soups; sauces; ready meals and meat free/vegan alternatives.

Definition	Malt Extract– foodstuff with colouring properties.
Legal Name	Roast Malt Extract (contains Barley), Roasted Barley Malt Extract or; Malt Extract (contains Barley); Barley Malt Extract – <i>Gluten Free</i>
Manufactured (Country of Origin)	PureMalt Products Ltd, Victoria Bridge, Haddington, East Lothian, EH41 4BD United Kingdom Tel. 00 44 (0) 1620 82 46 96 Fax. 00 44 (0) 1620 82 20 18 Website : www.puremalt.com
Ingredients	Malted Barley, Water, -contains no additives.

ANALYTICAL PARAMETERS

Solids	dry wt % (3 hours 105°C)	>95
*Moisture	Loss on drying	<5.0
*Colour	EBC A430 nm (10mm cell)	21000-23500
*Gluten	Elisa	<20ppm
*pH	10% w/v sol ⁿ	3.2-4.2
Particle Size	micron	<750

*** Parameters specified on Certificate of Analysis**

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MICROBIOLOGICAL PARAMETERS

	Method	Target	Acceptable
*TVC	Based on BS EN ISO 4833-1:2013 Pour plate technique with Plate count agar at 30°C for 48hrs.	<100	<1000/g
*Enterobacteriaceae	Based on BS ISO 21528-2:2017	Not Detected	<5/g
*E. coli	Based on BS EN ISO 16649-2:2001	Not Detected	<5/g
*Coliform	Based on BS ISO 21528-2:2017	Not Detected	<5/g
*S. aureus	Based on BS EN ISO 16649-2:2001	Not Detected	<10/g
*Salmonella	Based on ISO 4832:2006	ND / 50g	ND / 25g
*Clostridia sp.	Based on BS EN ISO:6888:Part 1:1999 using Staphytec plus latex confirmation	Not Detected	<5/g
*Bacillus cereus	Based on BS EN ISO 7932:2004	<5/g	<20/g
*Listeria monocytogenes	Based on BS EN ISO 11290-1:2017	ND/25g	ND/25g
*Lactobacillus sp.	Based on BSEN ISO 15214:1998	Not Detected	<5/g
*Acetobacter	Oxoid –The Manual 6th Edition	Not Detected	<5/g
*Yeast and Mould	Based on BS ISO 21527-1:2008	<10	<100/g
*Thermophilic Aerobic Spores	Based on T/03/01/M/MET (30/07/01) H J Heinz Co. LTD (UK), Tech. Ops. Scientific Services –Microbiology - Thermophilic Anaerobic Spore Count.	<1 /2g	<30/2g
*Thermophilic Anaerobic Spores	The Oxoid Manual 9th Edition 2006,	<10 /2g	<30/2g

* Parameters specified on Certificate of Analysis

NUTRITIONAL PARAMETERS (Typical/100g)

Energy kJ / kcals	C	1621/381
Protein (N x 6.25)	A	3.20
Carbohydrate	C	92.18
as sugars		8.70
as polysaccharides		83.48
Starch	A	0.1
Total Fat	A	<0.5
Monounsaturated Fatty Acids	A	<0.1
Polyunsaturated Fatty Acids	A	<0.1
Saturated Fatty Acids	A	<0.1
Trans Fatty Acids	A	<0.1
Dietary Fibre	A	<0.5
Moisture	A	3.32
Sodium	A	<10.0mg
Potassium	A	489mg
Ash	A	1.3
Gluten, barley protein	A	<20ppm

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FOOD SAFETY INFORMATION

- Manufactured in accordance with the United Kingdom Food Safety Act 1990. and in compliance with the EU General Food Law EC 178/2002.
- In the United States of America, the products are considered to be Food Substances affirmed GRAS (Generally Recognised as Safe) under the FDA reference 21CFR 184.1445-57, 915.45

ALLERGENS -EU Food Information Regulation No. 1169/2011 (FIR) and Food Information for Consumers Regulation (FIC)

Product free from category	Yes	No	Product free from category	Yes	No
Barley, rye, wheat, oats and their hybridized strains and products of these.		✓	Nuts* see declaration	✓	
Gluten	✓		Peanuts (oils and derivatives)	✓	
Seeds (sunflower, rapeseed, cotton,) their oils and derivatives	✓		Sesame seeds and derivatives	✓	
Lupin ; oils and derivatives	✓		Milk and milk derivatives	✓	
Mustard and derivatives	✓		Egg and egg derivatives	✓	
Celery; Celeriac and derivatives	✓		Soya and soya derivatives	✓	
Fish, Crustaceans, and derivatives	✓		Maize and maize derivatives	✓	
Molluscs and derivatives	✓		Sulphites	✓	
Dietary information			Registered		
Suitable for vegans	✓		Vegan Society	✓	
Diabetics	✓				
Halal requirements	✓		Halal Food Council of Europe	✓	
Kosher	✓		Pareve non-Passover-KLBD	✓	
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 our products are GMO free therefore do not require any GM-labelling.
- **Nano Technology and Irradiation-** regarding Directive 1999/3/EC and Directive 1999/2/EC on Irradiation and EFSA guidance Notes on application of Nanotechnologies in the food and feed chain our products raw materials and process aids have not been subject to Irradiation or Nano Technology.
- **Gluten Free:** Batch analysis ensures compliance with the requirements for the declaration of “Gluten Free” less than 20ppm suitable for coeliac within the EU and USA. Please consult with local Governing Body for applicable legislative declaration.
- **Regulation (EC) No. 1334/2008:** Regarding Article 16 of this regulation, this product may be considered as a “natural roast barley malt flavour”.

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Pesticide Residue and Toxins

Free from Contaminants & Pesticides (<Maximum Residue Limit) as defined by:-

- EU REGULATION (EC) NO 1881/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 19 December 2006 on setting maximum levels for certain contaminants in foodstuffs.
- EU REGULATION (EC) NO 396/2005 on MRLs of pesticides with amendments


HEAVY METALS

Copper	<1.00ppm	Mercury	<0.10ppm
Iron	<20ppm	Cadmium	<0.10ppm
Lead	<0.10ppm	Arsenic	<0.06ppm
Zinc	<2.00ppm	Tin	<1.00ppm

PESTICIDE RESIDUE AND TOXINS

Aflatoxin B1/B2	<1.0ppb	3-MCPD	<0.5ppm
Aflatoxin G1/G2	<1.0ppb	Pesticides	None Found
Vomitoxin DON	<20 ppb	SO2	<10ppm
Ochratoxin A	<0.5ppb	NDMA	<5ppb
Zearalenone	<20ppb	Benzopyrene	<1.0ppb



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PACKAGING

PureMalt Item Code	FG123	FG121
Description	20Kg – Blue Bags	25Kg – Logo Bags
Wt Per Pack - Minimum(kg)	25	25
Tolerance	+0.5	+0.5
No.Units Per Pack	1	1
No.Units Per Pallet/Outer	50	40

Primary Packaging

Colour	Blue Tint
Material	Blend of polythene polymers LDPE, LLDPE, MDPE,HDPE
Weight (g)	55
Seal	Knotted

Secondary Packaging

Colour	Blue Opaque	White/Blue Opaque
Material	Blend of polythene polymers LDPE, LLDPE, MDPE,HDPE	
Size(mm)	405*560*890	
Weight (g)	186	
Seal	Heat Sealed	

Tertiary Packaging

	Domestic	Export
Material	Fibreboard	
Size(mm)	1200*990*720	1200*1000*1100
Weight (kg)	2.5	7.0
No Packs/Pallet	1	1

Packaging materials comply with the following regulations: -

- Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004 on materials and articles intended to come into contact with food.
- Regulation (EC) No 2023/2006 of 22 December 2006 on good manufacturing practice for materials and articles intended to come into contact with food
- Regulation (EU) No 10/2011 of 14 January 2011 on plastic materials and articles intended to come into contact with food
- Code of Federal Regulation 21 177 1520 – polyolefin resin

SHELF LIFE/STORAGE

Unopened	After Opening
24 months maximum Ambient temperature 5-40°C.	Avoid ingress of air, reseal package. Product must be stored at a temperature below 25°C. Use within 3 months.

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