

EFD UK
45 Roman Way, Longridge Road,
Preston, Lancs. PR2 5BD. UK
Tel: + 44 (0)1772 654441



EFD Denmark
Karlebyvej 81,
DK 4070 Kirke Hyllinge, Denmark
Tel +45 4640 0200

MEAL SPECIFICATION

Macaroni Cheese
EFD Product No: 844300

Issue No. / Version 3	Rev Date: 24/11/2021	Rev No. 3
Reason for Rev. updated micro standards		

GENERAL INFORMATION

GENERAL DESCRIPTION	A freeze dried complete meal. Designed to be rehydrated by the addition of hot water and served.
LEGAL NAME	Macaroni Pasta in a three cheese sauce.
SHELF LIFE	For unopened, undamaged packs, stored as recommended, 25 years from date of production.
STORAGE CONDITIONS	Store in a cool dry place away from direct sunlight.
PREPARATION/ REHYDRATION	Mix the contents of the can well. To prepare a single serving: 1000g Tin – Add 100g of the dry meal mix into a container. Pour 155 ml of boiling water and mix thoroughly. Cover with a lid and let it stand for 8-9 mins. Stir, season to taste and serve. To prepare entire Tin: Remove the three oxygen absorbers from the can. Cover the contents of the can with boiling water. Stir the water into the food until mixed thoroughly. Replace the lid and let the food stand for 8-9 minutes. Stir, season to taste and serve.

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RECIPE		
Ingredients	% Qty	Country of Origin
Macaroni Pasta	41.5	EU
Mozzarella	9.9	Denmark, Poland, Germany
Red Leicester	4.6	UK, USA
Cheddar	4.8	Ireland, UK, NZ, Denmark, Poland, Germany, USA
Cornflour	1.0	Germany, Spain, Netherlands, Italy.
Single Cream	12.8	UK
Onions	6.2	Poland, Netherlands
Milk	17.2	UK
Rapeseed Oil	1.8	EU, Russia, Kazakhstan, Australia, Argentina
White Pepper	0.1	Vietnam
Salt	0.1	Salt

INGREDIENTS LIST
<p>Macaroni Pasta (41.5%) (Durum Wheat Semolina, Water, Egg, Salt); Milk, Single Cream (Milk), Mozzarella Cheese (9.9%) (Pasteurised Cows Milk, Salt, Rennet, Lactic Acid Starter Culture, Curdling Agent: E509, Anticaking Agent: Potato Starch), Onions, Cheddar Cheese (4.8%) (Whole Cows Milk, Salt, Lactic Culture, Rennet), Red Leicester Cheese (4.6%) (Pasteurised Cows Milk, Salt, Starter Culture, Vegetarian Rennet, Annatto: E160b (ii)), Rapeseed Oil, Salt, Cornflour, White Pepper. For allergens, including cereals containing gluten see ingredients in bold.</p>

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DECLARATION OF ALLERGENS

ALLERGENS	Present in Product	On Site (IES)**	On Line
Cereals containing Gluten (wheat, barley, oats, rye etc.) or products thereof	Yes	Yes	Yes
Egg, or products thereof	No	Yes	Yes
Milk, or products thereof	Yes	Yes	Yes
Fish, or products thereof	No	Yes	Yes
Crustacea, or products thereof	No	Yes	Yes
Molluscs, or products thereof	No	Yes	Yes
Nuts or traces of nuts, or products thereof	No	No	No
Sesame seeds, or products thereof	No	No	No
Celery/celeriac, or products thereof	No	Yes	Yes
Mustard, or products thereof	No	Yes	Yes
Soya, or products thereof	No	Yes	Yes
Lupin, or products thereof	No	No	No
Peanuts, or products thereof	No	No	Not certified as a nut free site
Sulphur/sulphites, or products thereof	No	No	No

** Where the materials indicated are handled within the same production facility, audited procedures are in place to minimize any risk of cross contamination.

DIETARY INTOLERANCE DATA

SENSITIVE CONTENT	CONTAINED Yes / No	MATERIAL HANDLED WITHIN THE SAME PRODUCTION FACILITY (IES)**	COMMENTS
Coconut	No	Yes	
Maize / Maize Derivatives	No	Yes	
Pulses / Legumes or derivatives	No	Yes	
Pine Nuts / Pine Kernels / Chestnuts	No	No	
Cottonseed Flour	No	No	
Seed & Derivatives Excl. Oils	No	No	
Seed Oil refined to SCOPA Std	Yes	Yes	
Seed Oil not to SCOPA Std	No	No	
Mushrooms / Mushroom products	No	No	
Yeast	No	Yes	
Additives	No	Yes	
Preservatives	No	Yes	
Natural Colours	No	Yes	
Artificial Colours	No	No	
Natural Flavours	No	Yes	
Artificial Flavours	No	Yes	
MSG (Monosodium glutamate)	No	No	
HVP (Hydrolysed Veg. Protein)	No	No	

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BHA/BHT (E320, E321)	No	Yes	
Fruit & Derivatives	No	Yes	
Umbelliferae excluding celery (carrot, parsnip, parsley, dill, coriander, cumin, fennel, chervil etc.)	No	Yes	
Honey	No	Yes	
Garlic	No	Yes	
Sorbates / Benzoates	No	No	
Polyols	No	No	
Histamine	No	No	
Hydrogenated Oils and Fats	No	No	
Chilli or derivatives	No	Yes	
Ginger or derivatives	No	Yes	
Cinnamon or derivatives	No	Yes	
Animal Products: Beef	No	Yes	
Animal Products: Pork	No	Yes	
Animal Products: Lamb	No	Yes	
Animal Products: Poultry	No	Yes	
Animal Products: Other	Yes	Yes	
Added Sugar	No	N/A	
Added Salt	Yes	N/A	

DIET SUITABILITY:

Ovo-lacto Vegetarians	Yes	Coeliacs	No
Vegans	No	Diabetics	No
Kosher	Not certified	Low Sodium	No
Halal	Not certified	Organic	No

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NUTRITIONAL INFORMATION

Typical Values	Per 100g (As Sold)	Method
Energy	2134kJ/511kcal	Analysis
Fat (g)	29.0	Analysis
of which saturates (g)	14.0	Analysis
Carbohydrate (g)	39.0	Analysis
of which sugars (g)	5.6	Analysis
Fibre (g)	3.5	Analysis
Protein (g)	21.0	Analysis
Salt (g)	2.0	Analysis

MICROBIOLOGICAL STANDARDS

	Accept (cfu/g)	Reject (cfu/g)
E. coli	10	>10
Enterobacteriaceae	100	10 x 10 ²
Moulds	10 x 10 ²	10 x 10 ³
Total Aerobic Colony count @ 30°C	10 x 10 ³	10 x 10 ⁴
Yeasts	10 x 10 ²	10 x 10 ³
B. cereus	100	10 x 10 ³
C. perfringens	20	10 x 10 ³
Salmonella (25g sample)	n/a	Positive

LEGISLATIVE INFORMATION

PESTICIDE RESIDUES	In compliance with the current UK, and EU legislation
HEAVY METAL RESIDUES	In compliance with the current UK, and EU legislation
ADDITIVES (where relevant)	In compliance with the current UK, and EU legislation
PACKING MATERIAL	In compliance with the current UK, and EU legislation
MARKING	In compliance with the current UK, and EU legislation
AFLATOXIN	In compliance with the current UK, and EU legislation

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PACKAGING INFORMATION:

Primary Packaging:	
Description	Beaded Aluminum Tin with a Pre Printed Label.
Composition	Food Grade Packaging – compliant with EU Regulations.
Safety Info	To ensure product freshness, each pouch contains an oxygen scavenger packet, designed for food industry use. (Contains activated iron powder, silicon dioxide, activated carbon, electrolyte materials).
Closure	Clear Lid. Tamper Proof metallic seal.
Date coding	Printed onto front face of film (Best Before)
Suitable for Recycling	Yes
Secondary Packaging:	
Description	Carton Board Case
Closure	Top and bottom seal with tape
Date coding	On the label
Contents	6 Tins
Suitable for recycling	Yes
Palletisation	
Description	Euro Pallet
Materials	Wood
Dimensions	1200mm x 800mm
Method of stabilizing	Virgin LLDPE shrink wrap
Date Coding	N/A
Configuration	7 boxes per layer; 7 layers per pallet; 49 boxes per pallet
Suitable for recycling	Yes

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European Freeze Dry Ltd. reserves the right to amend this specification in whole or in part, but undertakes to agree any such changes with the customer in advance.

Signed: 

Date: 24th November 2021

Please note this specification is the property of European Freeze Dry and as such is confidential, unauthorised copying is not allowed.

Customer Approval

Company:

Name & Position:

Date:

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