Supplier product of Version	ode	01100		
	ouc	0022		
Issue date		13.10.2017		
Range		Renshaw	RENSHAW	
			NENSIIAW	
Product title	-	arzipan - White (without	THE PROFESSIONALS CHOICE	
	add	led preservative)		
Product description	n			
A traditional almo	ond marzipan,	, that can be coloured or	-	
flavoured- ideal fo	or modelling 8	creating sweet treats.		
Pack size:	Pack size: 5Kg e			
Contacts				
Specifications que	ries	Email:	Specifications@realgoodfoodplc.com	
Manufacturing Sit	e Technical	Name:	Michael Waine	
Manager		Email:	Michael.Waine@jfrenshaw.co.uk	
		Telephone:	0151 706 8200	
		Mobile:	07738422219	
		Address:	229 Crown Street	
			Liverpool	
			Merseyside	
			L8 7RF	
Applications information		Web address:	https://www.renshawbaking.com	
		Contact:	info@renshawbaking.com	
		Freedla	and an Olfren and any an and	
Sales queries		Email:	sales@jfrenshaw.co.uk	
		Legal Comp	lianco	
	vgienic manu	·	edients, packaging, labelling, storage and	
This product it's h	iygicine manu	nacture, roou sarcey, mgr	cultures, packaging, labeling, storage and	
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Legal name

Marzipan/ Almond Paste

Ingredients list

Sugar, Almonds (Nuts) (24%), Glucose Syrup, Water, Invert Sugar Syrup.

Allergens: Please see the ingredients in **bold** text.

	Angola, Australia, Barbados, Belize, Benin, Brazil, Burkina
55 - 60	Faso, Colombia, Costa Rica, Dominican Republic, El Salvador, Ethiopia, Fiji, France, Guadeloupe, Guatemala, Guyana, Honduras, Ivory Coast, Jamaica, Kenya, Laos, Madagascar, Malawi, Mauritius, Mozambique, Nepal, Nicaragua, Panama, Reunion, Suriname, Swaziland, Tanzania, United Kingdom, Zambia
4	Morocco
20	USA, Australia, Spain
5 - 10	UK, Netherlands
1 - 5	UK
1 - 5	UK
	4 20 5 - 10 1 - 5

N/A	N/A

Palm oil details		
No		
N/A		

Nutritional		
Method: Calculated	Typical figures per 100 g	
Energy (kJ/kcal)	1792 / 425	
Fat (g)	13.8	
of which saturates (g)	1.1	
Carbohydrates (g)	68.7	
of which sugars (g)	68.7	
Protein (g)	6.3	
Salt (g)	0.01	

Dietary information			
	Suitable for	Comments	
Vegetarians	Yes		
Vegans	Yes		
Kosher	Yes	Certified. Certificate available on request.	
Halal	No		

Genetically modified materials

To the best of our knowledge, this product is not made from genetically modified material and does not use processing aids or additives which are genetically modified. A GM policy is available on request.

Irradiated materials

This product does not contain any ingredients that have been treated with ionising radiation.

Nanomaterials

This product does not contain any engineered nanomaterials.

Shelf life: unopened

18 months from date of manufacture.

Shelf life: opened

Once opened, material should be used in its entirety. It is the responsibility of our customers to establish the maximum permitted time until all material should be used. This will depend on their specific environment, practices and procedures.

validation testing. Substances or products causing allergies or intolerances				
Substance	Product ingredient contains?	Used on same production line?	Used in same Factory	Comments
Cereals containing gluten, wheat; rye; barley; oats; spelt; kamut and products thereof,	No	No	No	
except: wheat based glucose syrups including dextrose.	Yes	Yes	Yes	Exempt from allergen labelling
Crustaceans and products thereof	No	No	No	
Eggs and products thereof	No	Yes	Yes	Dried Egg White
Fish and products thereof	No	No	No	
Peanuts and products thereof	No	No	No	
Soybeans and products thereof	No	No	Yes	Lecithins
Milk and products thereof, including lactose	No	No	Yes	Milk, butter, and other derivatives
Nuts: Almonds; hazelnuts; walnuts; cashews; pecan nuts; Brazil nuts; pistachio nuts; macademia	Yes	Yes	Yes	Almonds
Celery and products thereof	No	No	No	
Mustard and products thereof	No	No	No	
Sesame seeds and products thereof	No	No	No	
Sulphur dioxide and sulphites > 10 mg/kg	No	No	Yes	Present in finished product at <10mg/kg
Lupin and products thereof	No	No	No	
Molluscs and products thereof	No	No	No	

Microbiological testing At the time of manufacture			
тус	<1000 cfu/g	10000 cfu/g	
Yeasts & Moulds	<100	100 cfu/g	
Enterobacteraceae	<10 cfu/g	50 cfu/g	
Salmonella	Not detected in 25g	N/A	
Osmophiles	<10 cfu/g	50 cfu/g	

CLAS accredited methodology used. Test frequency based on risk assessment (JF Renshaw Ltd, in-house lab)

Chemical			
Test	Method	Standard	
Moisture	Karl Fischer titration	8.0 - 9.0%	

Almonds used have been tested for Aflatoxins and comply with Regulations 1881/2006: 165/2010.

Physical			
Test	Method	Standard	
Appearance	Organoleptic	Ivory/cream in colour with flecks of brown visible.	
Flavour	Organoleptic	A distinctive sweet almond flavour.	
Texture	Organoleptic	Smooth to slightly grainy on the palate, due to the almond particles. Soft to the bite leading to a pasty, sticky mouth coating which then dissolves away.	
Aroma	Organoleptic	Sweet almond	

Brief process description

Sweet almonds are blanched, mixed with pre-blanched bitter almonds, chopped and mixed with sugar and water. The mixture is refined and roasted before onward mixing with the other ingredients. The paste is packed, checkweighed and metal detected.

Overview of HACCP - available upon request

Metal detection

Checked at start up, every hour and end of each packing run: 3.5mm Ferrous, 4.0mm Non-Ferrous, 5.0mm Stainless Steel test pieces.

Sieves

Not appropriate for this product type.

Packaging

Vacuum sealed into a red 20μ m PA/ 65μ m PE laminate sachet and packed into a corrugated fibreboard outer case. Outer case label applied.

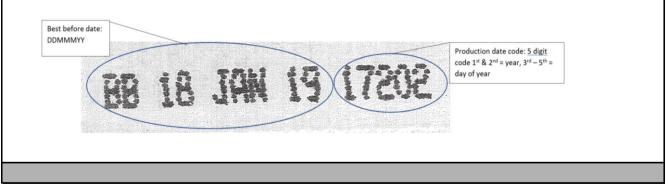
25 cases per layer, 5 layers high, 175 cases per pallet. All pallets shrink/stretched wrapped.

Recycling information

Bag - Plastic not currently recycled Outercase - Card widely recycled

Production date code

5 digit code. 1st & 2nd = year; 3-5 = day of the year e.g 26/08/2016 = 16238 In the event of any issues, please quote information as per example below:



Health & safety o	lata		
Physical Appearance		Ivory/cream almond paste.	
Ingredients		See ingredients section of the specification.	
Intended use		For bakery use.	
Storage & Handling		See specification.	
Occupational exp	osure hazards	None, under normal conditions of use at room temperature. Avoid eye contact.	
Fire/explosion ha	zard	The product will burn if ignited, but under normal conditions of use, will present no fire risk.	
	Eyes:	Flush with plenty of water. Seek medical advice if needed.	
First Aid	Skin:	Wash with soap and water.	
FIRST AID	Ingestion:	No hazard under normal conditions of use. Contains nut allergen.	
	Inhalation:	No hazard under normal conditions of use.	
Spillage	·	Wash area with detergent and water to avoid slip hazard.	
Disposal of waste		Normal waste disposal in accordance with local and national laws.	
Other hazards		None known.	
Protective clothing		Normal for food handling.	

Marzipan handling and usage instructions

Our marzipan is a paste made with a minimum of 23.5% dry almond content; other ingredients include sugar, glucose syrup, and invert syrup; colour and preservatives may also be added. (Refer to ingredients list).

Possible applications:

Layering on cakes, Sheeting, Modelling, Chocolate Centre's, Petit Fours.

Recommended storage

Recommended maximum storage temperatures of marzipan should be 18°c. Marzipan should be stored in dry and cool conditions, away from heat sources and odorous materials. The shelf life of marzipan products is recommended provided the packaging remains unopened and product is stored correctly. It is the responsibility of our customers to carefully consider and establish that the marzipan lasts for the required shelf life of their end products.

Recommended handling and processing: a) Opening

Once opened, marzipan material should not be exposed to air for prolonged periods as product will harden and also potentially become prone to microbiological contamination.

Once opened, material should ideally be used in its entirety. It is the responsibility of our customers to establish the maximum permitted time until all material should be used. This will depend on their specific environment, practices and procedures.

b) Handling

Before using Marzipan, ensure product has been conditioned to an ambient temperature, by gently working the product for best results.

Avoid vigorous mixing or mechanical kneading of the paste prior to use, as this can damage the texture of the product and also potentially induce microbiological contamination.

c) Rolling out

Always use icing sugar to prevent marzipan sticking to surfaces when rolling out, avoid using an excess of icing sugar as it will cause marzipan to dry out.

When rolling out, avoid turning over sheet as it will cause stretching.

Avoid the use of flour to prevent sticking or aid sheeting, as this will potentially introduce both a microbiological and allergen issue.

d) Modelling

Where there is a significant amount of hand to product contact, e.g. in the preparation of models, hands must be washed and sanitised every 15 minutes; the use of a marzipan with added preservatives should be considered in these cases. Preserved products will have more tolerance from a microbiological point of view.

e) Avoid applying water for adherence or softening

Use of boiled apricot jam is recommended to adhere marzipan to cake.

Alcohol or a clear spirit is also recommended to be applied to marzipan surface in order to soften or aid adherence of an icing layer.

Do not use tap water to soften or aid adherence of an icing layer, cooled boiled water should be used.

In order to avoid cross contamination, always ensure utensils used to apply jam or alcohol are clean.

Rework

Ideally marzipan should not be reworked back into virgin product.

It is the responsibility of our customers to carefully consider and establish that any re-work material is fit for purpose and the maximum permitted time until all material should be used when using it, depending on their specific environment, practices and procedures.

Water activity

The imbalance of water activity between the various components of a cake will cause moisture migration to the marzipan layer. This should be considered during the development of any products.

Things to be aware of:

Under normal circumstances marzipan is not subject to spoilage from yeasts or moulds due to its high sugar content.

Moreover the bitter content of marzipan recipes is also believed to inhibit yeast growth, with the bitter element providing some preservative effect.

However low levels of yeast and mould may be present, under certain circumstances these yeasts or mould may result in spoilage, demonstrated by fermentation or surface mould growth. Normally spoilage can be seen, visible mould or swelling bags from gas production.

Circumstances which can contribute to yeasts or mould growth and create spoilage include:

Incorrect storage temperature of marzipan, e.g. too hot above 18°C.

Incorrect storage conditions, e.g. high humidity.

Incorrect establishment as to whether the marzipan material will last for the required shelf life of users finished products.

Use of marzipan material that has been exposed to air for prolonged periods.

Vigorous mixing or mechanical kneading of the paste.

Cross contamination from other products (e.g. cake crumb) and ingredients (e.g. jam or flour).

Addition of old marzipan or contaminated rework back into virgin product.

The use of flour to prevent sticking or aid sheeting.

Applying tap water for adherence or softening.

The imbalance of water activity between the various components of a cake.

Unhygienic factory equipment and surfaces.

It should be noted that this is not a full and exhaustive list of factors that can affect yeast or mould growth in marzipan but they are the ones of main concern.