

## PRODUCT SPECIFICATION

PRODUCT DETAILS					
Product Title	Rice Vinegar			Brand	Mizkan
Legal Description	Rice Vinegar			Mizkan Recipe Code	1001248
Spec Format	Multi Size Spec	Drained Weight	N/A	Version	14

SUPPLIER DETAILS					
Manufacturing site	Mills Hill Road, Middleton, Manchester M24 2ED				
Contacts	Email		Telephone Number	Job Function	Emergency Contact?
Site Security	Middleton.security@mizkan.co.uk 24 x 7 manned		01616556430	Site Security	Yes
Graham Houghton	Graham.houghton@mizkan.co.uk		01616556470	Technical Manager	No

LABEL INFORMATION							
CSN Code	Case Size	Declared weight	Drained weight (g)	Tangometer Status	PMP/ Other artwork logos	Mizkan Label item codes	Barcodes
2000735	6x 275ml	275ml e	N/A	N/A	Export green dot	3014028	5060336500709
2000828	6x 275ml	275ml e	N/A	N/A	Additional Languages	3014458	5060336503373
2000736	6x 568ml	568ml e	N/A	N/A	Export green dot	3014031	5060336501065
2000830	6x 568ml	568ml e	N/A	N/A	Additional Languages	3014460	5060336504035
1001389	N/A - IBC	1000L	N/A	N/A	N/A	N/A	N/A

INGREDIENT LISTING
Rice Vinegar. 5% Acidity.

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INGREDIENT INFORMATION								
No.	Ingredients, Compound Ingredients	Total % as a % of Final Product	Additive function	Supplier	Country of Manufacture	Country of Origin	Declared Y/N	Position
1.	Rice Vinegar	100	N/A	Mizkan Euro Ltd	UK, Portugal	UK, Portugal	Y	1

NUTRITIONAL INFORMATION			
Calculated or Analysed		Analysed	
Method or Source of Data		UKAS Accredited	
As Sold	As Sold	As Sold	
	Per 100ml	Per Portion	N/A
Energy (kj)	114		
Energy (kcal)	27		
Fat (g)	<0.5		
of which Saturates (g)	<0.1		
Carbohydrate (g)	1.4		
of which sugars (g)	0.6		
Fibre (g)	<0.5		
Protein (g)	<0.5		
Salt (g)	0.10		

CHEMICAL PARAMETERS				
Parameters	Target	Unit	Testing Frequency	Testing Method
pH	Max 3.6	n/a	Every Batch	pH meter
Acidity (as acetic by weight)	5.00-5.15	% w/v	Every Batch	Titration
Alcohol	<0.5	% w/v	Annually	UKAS accredited
Haze	Max 0.5	n/a	Every Batch	Turbidimeter + calculation
Specific Gravity	1.010-1.016	n/a	Every Batch	Density meter

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MICROBIOLOGICAL SPECIFICATION							
Is the product commercially sterile? (If NO, please complete the table below)			Yes				
Comments			Because of high acidity and low pH of product, pathogenic microbial growth is not supported.				
Parameter	Typical values	Units	Accept	Max, Reject	Frequency of Testing	Method, Time, Temp	Appears on COA, COC
TVC	<100	Cfu/g	<100	>100	Yearly	UKAS accredited method	N/A
Coliforms	<10	Cfu/g	<10	>10	Yearly	UKAS accredited method	N/A
Yeasts	<100	Cfu/g	<100	>100	Yearly	UKAS accredited method	N/A
Moulds	<100	Cfu/g	<100	>100	Yearly	UKAS accredited method	
Enterobacteriaceae	N/A						
Salmonella species	N/A						
Listeria species	Negative	/25g	Negative	Positive	Yearly	UKAS accredited method	N/A
Listeria Monocytogens	N/A						
E. coli	N/A						
Bacillus cereus	N/A						
Coagulase Positive Staphylococcus	N/A						
Clostridium Perfringens	N/A						
Campylobacter	N/A						
S. aureus	N/A						
Vibrio	N/A						

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ALLERGEN INFORMATION				
ALLERGENS	Contains	Present on Line	Present on Site	Comments
Cereals containing Gluten / Cereal Derivatives	No	Yes	Yes	Barley and wheat used on site in the brewery. Strict allergen policy in place.
Wheat / Wheat Derivatives	No	Yes	Yes	Wheat used on site. Strict allergen handling procedures in place.
Barley / Barley Derivatives	No	Yes	Yes	Barley used on site in the brewery. Strict allergen handling policies in place.
Oats / Oat Derivatives	No	No	No	
Rye / Rye Derivatives	No	No	No	
Corn (maize) / Derivatives	No	Yes	Yes	Corn used on site. Strict allergen handling procedures in place.
Spelt / Kamut or their hybridised strains	No	No	No	
Milk / Milk Derivatives	No	No	No	
Peanuts / Peanut Derivatives	No	No	No	
Nuts / Nut Derivatives	No	No	No	
Molluscs	No	No	No	
Shellfish	No	No	No	
Sesame Seeds / Sesame Seeds Derivatives	No	No	No	

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Sulphur Dioxide and Sulphites >10ppm	No	No	Yes	Sulphites are added to other products. Strict allergen handling procedures in place.
Lupin / Lupin Derivatives	No	No	No	
Eggs / Egg Derivatives	No	No	No	
Crustaceans/ Crustaceans Derivatives	No	No	No	
Fish / Fish Derivatives	No	No - for BIB  Yes – for bottle format	Yes	Anchovy paste used in Worcester sauce brewing. CIP when allergen change over. Strict allergen handling procedures in place.
Celery / Celeriac / Derivatives	No	No	No	
Mustard / Mustard Derivatives	No	No	No	
Soya / Soya Derivatives	No	No	Yes	Soy used in Yuzu Ponzu. Strict allergen handling procedures in place.

**Note:** The information contained above relates to the presence/absence of ingredients in the product and is not a guarantee of total absence where presence is due to adventitious contamination within the supply chain.

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DIETARY SUITABILITY		
	Suitability	Additional Information
Suitable for Vegan Diet	Yes	Product is made with food ingredients suitable for Vegan diet. Vegan Society Certified
Suitable for Vegetarian Diet	Yes	Product is made with food ingredients suitable for Vegetarian diet.
Suitable for Coeliac	Yes	Not Certified
Suitable for Halal Diet	No	Not Certified
Suitable for Kosher Diet	275ml and 568ml are Kosher Certified	
Is the product organic?	No	

**Note:** The information contained above relates to the suitability based on the presence/absence of ingredients in the product and is not a guarantee of total absence where presence is due to adventitious contamination within the supply chain.

ADDITIVES (including preservative, sweeteners, colours, flavour enhancers, yeas/yeast extract, BHA/BHT)					
Name	E Number	Function	% in Final Product	Legal Limit	Declared?
N/A	N/A	N/A	N/A	N/A	N/A

TREATMENTS			
Has the material been treated with ionising radiation?	No		
List any testing for residues of below substances	Testing	Testing Frequency	Compliant with UK/EC legislation?
Pesticides / Herbicides / Fungicides	N/A	N/A	N/A

GMO	
Does the product or any of its ingredient contains GMO?	No
Identify ingredient contains / produced from GMO	N/A
Does the product contain Identity Preserved material? If yes, please identify.	No
Does genetically modified origin labelling require? If yes, please detail.	No
Does the product made using GM derived enzymes and cultures approved in the UK for food use? If yes, please identify.	No
If the product is of animal origin or contains ingredients of animal origin, were the animals fed on feed or feed ingredients derived from genetically modified materials?	N/A

## FOREIGN MATTER PREVENTION AND PRODUCT SAFETY

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CCP No	Process Step	Critical Limits	Control Measure	Frequency
<b>Brewery</b>				
22	Filtration	1 micron (bag filter)	Filter checks	Each despatch (start and end on low volume products)
26	Filler	pH<3.6	Product tested with calibrated pH meter.	Pre-start, 2 hourly checks during production, end of run
<b>Bottling Hall (275ml and 568ml format)</b>				
16	Inversion	Free from foreign bodies	Visibly Inspect inverter and ensure that air blowers are working	Pre-start up, Start-up checks and then Every half an hour  Shift changeover checks.
20	Filtration	<1mm sauce 50micron vinegar intact and free from damage	In line filters are checked start and shift changeover and end of production	Pre-start, shift changeover End of production
21b	Lab analysis pH (1 sample per batch)	All product <3.6 / Brownie <4-5 / Balsamic <4	Product tested with calibrated pH meter.	Pre-start, 2 hourly checks during production, end of run

<b>PACKAGING DETAILS</b>						
CSN Code	Pack format	Packaging type and description		Material	Weight	Dimensions (mm)
2000735 & 2000828	6x 275ml Glass Bottle	Primary	Bottle	Glass	150g	158 x 63 x 63mm
			Cap	Plastic (PP)	2.5g	32.5 x 19 x 32.5mm
			Label	Paper	Current: 0.51g New: 0.65g	Current: 50 x 128mm New: 50 x 174mm
		Secondary	Tray	Corrugate (Paper)	22g	191 x 128 x 50mm
2000736 & 2000830	6x 568ml Glass Bottle	Primary	Bottle	Glass	275g	195 x 78 x 78mm
			Cap	Plastic (PP)	2.5g	32.5 x 19 x 32.5mm
			Label	Paper	Current: 0.83g New: 0.98g	Current: 60.5 x 171mm New: 60.5 x 221mm
		Secondary	Tray	Corrugate (Paper)	29g	236 x 158 x 50mm
1001389	IBC	Primary	IBC 1000L with top and	PE-HD natural	61kg	1200 x 1000 x 1175

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			side screw caps sealed with tamper evident seals.	coloured with steel cage		
		Secondary	Rectangular steel cage	Steel	25kg	1200 x 1000 x 1175

PALLETIZATION			
Pallet Type	Euro	Pallet net weight (kg) 275ml	421.2
		Pallet net weight (kg) 568ml	414.3
		Pallet net weight (kg) 1000L	1013
No. of units or cases per layer 275ml	36	Pallet gross weight (kg) 275ml	694.9
No. of units or cases per layer 568ml	24	Pallet gross weight (kg) 568ml	655
No. of units or cases per layer 1000L	n/a-IBC	Pallet gross weight (kg) 1000L	1099
No. of layers per pallet 275ml	7	Maximum height (mm) 275ml	1271
No. of layers per pallet 568ml	5	Maximum height (mm) 568ml	1159
No. of layers per pallet 1000L	n/a- IBC	Maximum height (mm) 1000L	1200
Total no. of units or cases per pallet 275ml	252	Recommended stacking limit (palleted unit)	1
Total no. of units or cases per pallet 568ml	120		
Total no. of units or cases per pallet 1000L	n/a- IBC		




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PRODUCT CODING AND STORAGE						
Shelf Life	Unopened 275ml and 568ml	730 days		Storage Temperature °C	Opened (min-max)	15-30°C
	Opened 275ml and 568ml	No expiry for vinegars			Unopened (min-max)	15-30°C
	Unopened 1000l	270 days		Coding position on pack	Top of bottle (2000735&2000736), Customer label (1001389)	
	Opened 1000l	No expiry for vinegars		Explanation of Coding	Julian Code: L4222J (J – site code) BB: MMM/YYYY	
Storage Instruction		Best before: See cap Store in a cool, dry and dark place.				

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VERSION CONTROL			
Version	Date	Created By	Changes
1	18/09/14	C. Medlycott	First issue
2	03/11/14	Claire Medlycott	Nutrition
3	13.06.2017	Timea Szabo	Spec review – spec format, contacts, packaging, allergen and storage update, additional sections added
4	08.08.2019	Timea Szabo	Chemical parameters updated
5	28.07.2020	Timea Szabo	Small bottle format added
6	11.01.2021	T Szabo	Coeliac suitability updated
7	14.09.2021	T Szabo	Rice Vinegar COO updated
8	28.09.2021	T Szabo	Kosher status updated
9	05.10.2021	T Szabo	Vegan status updated
10	06.03.2023	Ildiko Kiss	New, additional language label information of 275ml & 568ml added with new product codes & barcodes. Label item codes reviewed and updated.
11	12/05/2023	Ildiko Kiss	275ml & 568ml label dimensions updated.
12	16/05/2023	Ildiko Kiss	New label weights added to 275ml and 568ml.
13	20/10/2023	Sandeepa Nekkanti	Updated Country of Origin & Manufacture, removed USA.
14	16.11.2023	Ildiko Kiss	Updated Country of Origin & Manufacture for Rice Vinegar. Vincent is removed as Commercial Contact (left business). Mustard, Egg and Sesame are removed from allergen table as per site allergen policy these are not handled on site.

SIGN OFF					
Confirmed By		Approved By			
NPD Manager	Date	Technical Manager	Date	Specification Manager	Date
					16.11.2023

QC approved