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	Issue Date: 24/06/2024	
	Product Name: Dale Farm Semi-Skimmed Milk	
	Section: 3.6.F.13	Authorised By: Gareth McAuley

**CONFIDENTIAL**

<b>Product Name</b>	<b>Semi-skimmed milk</b>	
<b>Pack Size</b>	250ml "e" carton Pint "e" 1 Litre "e" 2 Litre "e" 3 Litre "e" 3 gallons 1000 Litres	
<b>Supplier Name</b>	Dale Farm LTD	
<b>Health Mark</b>	UK (NI) NI 215 M EC	
<b>Supplier Address</b>	Pennybridge Industrial Estate Larne Road Ballymena Co. Antrim N. Ireland BT42 3HB	
<b>Telephone Number</b>	028 256 61520	
<b>Technical Contacts</b>	Gareth McAuley	Megan Lagan
	Technical & NPD manager	Assistant quality and technical manager
	02825661541 07739882410	07557034395
	<a href="mailto:gareth.mcauley@dalefarm.co.uk">gareth.mcauley@dalefarm.co.uk</a>	<a href="mailto:Megan.Lagan@dalefarm.co.uk">Megan.Lagan@dalefarm.co.uk</a>



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Product Description
Fresh pasteurised, homogenised, semi-skimmed milk

Storage Conditions
Chilled Storage: Store less than 6°C. Keep in upright position.

Recipe Breakdown		
Ingredient	%	Country of Origin
Pasteurised semi-skimmed milk (Red Tractor certified)	100	Northern Ireland

Ingredient Declaration
Fresh <b>milk</b> (100%)  For allergens see ingredients in <b>bold</b>

Food Intolerance Information		
Is the product <b>free from</b> as an ingredient (including derivatives thereof?)	Yes / No	Presence attributed to
Additives	Yes	
Benzoate (E210 – E219)	Yes	
Colours + AZO + Coal Tar Dyes	Yes	
Corn/Maize Derivatives	Yes	
BHA/BHT (E320, E321)	Yes	
Egg & Egg Derivatives	Yes	




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Flavour Enhancers	Yes	
Gluten	Yes	
Milk & Milk Derivatives	No	Dairy product – cow’s milk
Yeast & Yeast Derivatives	Yes	
Garlic	Yes	
Honey	Yes	
Added Sugar	Yes	
Added Salt	Yes	
Lactose, Galactose and galactosides	No	Dairy product – cow’s milk
Gelatine	Yes	
Cocoa	Yes	
Hydrolysed Vegetable Protein	Yes	
Sweeteners Containing Aspartame	Yes	
Polyols	Yes	
Glutamates – MSG	Yes	
Natural Colours	Yes	
Preservatives	Yes	
Animal products (Other than milk products)	Yes	
Genetically Modified Soya & Maize	Yes	
Caffeine	Yes	
Malt Extract	Yes	
Nuts & Nut Derivatives	Yes	
Fruit & Fruit Derivatives	Yes	
Seafood / Seafood Derivatives	Yes	
Seeds & Seed Derivatives	Yes	
Sesame Seeds /Oil	Yes	
Soya & Soya Derivatives	Yes	
Sulphur Dioxide (E220 – E228)	Yes	
Wheat & Wheat Derivatives	Yes	

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<b>Special Dietary Requirements</b>		
<b>Does the product meet the following claims</b>	<b>Yes / No</b>	<b>If no state reason</b>
Suitable for Vegetarians	Yes	
Suitable for Vegans	No	Milk product
Suitable for Coeliacs	Yes	
Kosher certificated	No	
Halal certificated	No	
Organic certificated	No	

<b>Nutritional Information</b>	
<b>Nutrient</b>	<b>Typical values per 100ml</b>
Energy	204kJ / 49kcal
Fat	1.7g
Of which saturates	1g
Carbohydrate	5g
Of which sugars	5g
Protein	3.4g
Salt	0.14g

<b>Microbiological Analysis</b>			
<b>Test</b>	<b>Method</b>	<b>Target</b>	<b>Freq. of Testing</b>
Enteros	BS ISO 21528-2: 2017	<10 cfu/ml	Per batch
TVC	BS EN ISO 4833-1:2013	<5000 cfu/ml	Per batch
S. Aureus	BS EN ISO 6888-3:2003	<10 cfu/g	Per month
Salmonella	BS EN ISO 6579-1:2017	Absent	Per month
Listeria	BS EN ISO 11290-1:2017	Absent	Per month

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<b>Chemical Analysis</b>			
<b>Test</b>	<b>Method</b>	<b>Target</b>	<b>Freq. of Testing</b>
Organoleptic	Taste	As per spec	Per Batch
FPD	Cryoscope	≥509m°C	Per Batch
Butterfat	Delta Lactoscope	1.5 – 1.8%	Per Batch
Acidity	Titration	0.14 – 0.16%	Per Silo
Phosphatase	Fluorophos	<200	Per Silo
Antibiotics	Charm	Absent (<MRL)	Intake of raw milk

<b>Physical Analysis</b>			
<b>Test</b>	<b>Method</b>	<b>Target</b>	<b>Freq. of Testing</b>
Date Code	Visual	Correct & legible	Per Batch
Temperature	Temperature probe	<6oC	Per Batch
Foreign body detection	Visual	Free from foreign bodies	Per Batch

<b>Physical Analysis</b>	
<ul style="list-style-type: none"> <li>• Filters in place to prevent foreign body contamination, removed and checked for defects.</li> <li>• GMP audits.</li> </ul>	

<b>Organoleptic Parameters</b>		
<b>Attribute</b>	<b>Acceptable</b>	<b>Unacceptable</b>
Appearance	White, flowing liquid	Lumps or flecks of fat
Odour	Sweet fresh milk	Sour and rancid
Taste	Slightly sweet with little to no creaminess	Sour with a pronounced after taste
Texture	Thin and free flowing	Lumps

<b>Weight / Quantity (specific gravity)</b>	
<b>Product</b>	<b>Target Weight / Volume</b>
250ml “e”	250ml

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Pint "e"	568ml
1 Litre "e"	1.76 pints
2 Litre "e"	3.52 pints
3 Litre "e"	5.28 pints
3 gallons	13.64 litres
1000 Litres	1000 Litres

<b>Packaging Material Description</b>	
<b>Pack size</b>	<b>Primary Packaging – Food grade packaging used for all food contact.</b>
250ml	PE-B-PE
Pint	HDPE polybottle, HDPE screw cap closure with foil insert
1 Litre	HDPE polybottle, HDPE screw cap closure with foil insert
2 Litre	HDPE polybottle, HDPE screw cap closure with foil insert
3 Litre	HDPE polybottle, HDPE screw cap closure with foil insert
3 Gallons	Polypropylene bag, HDPE cap
1000 Litres	Polyethylene bag, HDPE cap
<b>Pack size</b>	<b>Secondary Packaging</b>
189ml	Polyethylene shrinkwrap
250ml	Polyethylene shrinkwrap
Pint	Adhesive label, Polyethylene shrinkwrap
1 Litre	Adhesive label, Polyethylene shrinkwrap
2 Litre	Adhesive label, Polyethylene shrinkwrap
3 Litre	Stainless steel trolley
3 Gallons	Cardboard box
1000 Litres	Stainless steel container

<b>Shelf Life and Storage Conditions</b>		
<b>Coding format</b>	Use by date	
<b>Traceability code</b>	Use by date	
<b>Product shelf life</b>	250ml carton	Date of fill + 14 days. Use within 24 hours of opening
	Pint polybottles	Date of fill + 14 days. Use within 3 days



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		of opening
	1L polybottles	Date of fill + 14 days. Use within 3 days of opening
	2L polybottles	Date of fill + 14 days. Use within 3 days of opening
	3L polybottles	Date of fill + 14 days. Use within 3 days of opening Date of fill +
	3 gallons	Date of fill + 14 days. Use within 3 days of opening
	1000 Litres pallecon	Date of fill + 14 days. Use within 3 days of opening
<b>Storage conditions</b>	Chilled storage <6oC	

Product Barcode Information		
Product	Single unit bar code	Outer case bar code
250ml	5000245002666	05010386797000
Pint	5010386023000	N/A
1 Litre	5000245002826	N/A
2 Litres	5000245001720	N/A
3 Litres	5000245003212	N/A
3 Gallons	N/A	N/A
1000 Litres	N/A	N/A

Palletisation					
Product	Pks per outer	Outers per layer	Layers per pallet or trolley	Outers per pallet or trolley	Pks per pallet or trolley
250ml	10	20	5	100	1000
Pint	10	17	5	85	850
1 Litre	10	17	3	51	510
2 Litres	6	15	3	45	270
3 Litres	12	-	4	-	48
3 Gallons	12	-	3	-	36
1000 Litres	-	-	-	-	-



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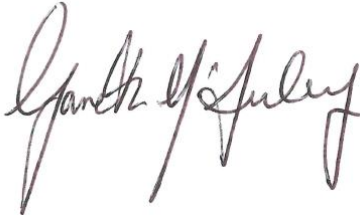
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### Specification Authorisation

Specification completed by:	Clare Mawhinney
Specification approved by:	Gareth McAuley
Approval signature:	
Job title	Technical & NPD Manager
Date	24/06/2024



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## Amendment Register

<b>Amendment:</b>			<b>Discard</b>	<b>Insert</b>	<b>Reason for change</b>	<b>Authorised by</b>
No	Date	Section	Version No.	Version No.		
9	24/08/2021	3.6.F.13	9	10	Updated spec	Hannah Madden
10	03/12/2021	3.6.F.13	10	11	FPD scale updated	Hannah Madden
11	10/01/2023	3.6.F.13	11	12	FB controls, FB limit and food contact packaging statement added	Hannah Madden
12	26/04/2023	3.6.F.13	12	13	Reference to Red Tractor Milk Added	Gareth McAuley
13	24/06/2024	3.6.F.13	13	14	CONTACT DETAILS UPDATED	C Mawhinney