

	<h1>Carrots</h1>	
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Product Description	Fresh, Whole, Raw, Loose or pre-packed Carrots		
Technical Description	Carrots		
Variety / varieties	Best in season (including all colours and types of Carrots excluding Baby carrots)		
Carton / Pack Weight - Kg	1, 1.2, 1.6, 2.5, 3, 4, 5, 5.5, 6, 7, 8.4, 9, 10, 12, 12.5, 15, 16, 1000, 1150, 1200		
Count (Pieces / Packs per Carton)	If by count: 8, 10, 12, 15, 30		
Size	Conforms to current GB/EU DEFRA GMS Standards (See Ref below)		
Piece weight range	Conforms to current GB/EU DEFRA GMS Standards (See Ref below)		
Packaging Description	Plastic Nets, Paper sacks, Cardboard Cartons / Trays may also be packed into polyethylene bags or in flow wrapped packs.		
Latin Name	Daucus carota	EPPO Code	DAUCS
GB 10 digit Commodity Code	07 06 10 00 10		
Delivery Temp	1C to 10C	Storage Temp	2C to 6C
Class	Conforms to current GB/EU DEFRA GMS Standards (See Ref below)		
Labelling Requirements	Best practice to include Grower GGN / RTA number, field identification, packer identification, packing date, harvest date. Must include as a minimum grower identification, trace code, weight, count, name of product and complies with UK regulations.		
Shelf Life on Arrival at NWP	14 days	Shelf Life on Delivery	8 days (5 days after opening pack, if present)
Product consumer	Raw fresh product intended for use as a raw ingredient for processing or for onward sale. Intended to be prepared (washed or cooked, etc.) before use.		
Intended Final Use	For all ages of consumers who are eating a solid food diet		
Product Variation	COO, pack size, weight, count, packaging may vary. Changes in COO, product size and packaging format to be agreed prior to purchase.		
GB/EU DEFRA Standards	For current GB/EU Marketing standards please visit: https://www.gov.uk/guidance/comply-with-marketing-standards-for-fresh-fruit-and-vegetables#general-marketing-standard-gms		

Supply Calendar:

COO X Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
France	X	X	X	X	X	X	X	X	X	X	X	X
Netherlands	X	X	X	X	X	X	X	X	X	X	X	X
Northern Ireland	X	X	X	X				X	X	X	X	X
Portugal	X	X	X	X	X						X	X
South Africa	X	X	X	X	X	X		X		X	X	X
Spain	X	X	X	X	X	X	X		X		X	X
UK	X	X	X	X			X	X	X	X	X	X
Contingencies												
Israel					X	X	X					
Italy	X											X
Scotland				X	X	X						

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Allergens	Contained in product?	Special Dietary Requirement	Suitability
Celery	No	Coeliac	Yes, free from gluten
Gluten	No	Halal	Yes, acceptable
Crustaceans	No	Kosher	Yes, acceptable
Eggs	No	Vegetarian	Yes, acceptable
Fish	No	Vegan	Yes, acceptable
Lupin	No	Lactose intolerant	Yes, acceptable
Milk	No	Nut allergy sufferers	Yes, acceptable
Molluscs	No	Sesame allergy sufferers	Yes, acceptable
Mustard	No	Ovo-lactarian	Yes, acceptable
Peanuts	No		
Sesame	No		
Soybeans	No		
Sulphur dioxide	No		
Tree Nuts	No		

Label
<p>Example:</p> <p>Carrots 10 Kg</p> <p>GGN 1234567891234 Field: ABCD Packing date 234 Harvest date 185 Packer Site 125981 Trace code 2341851234-was</p>

Microbiological Standards:

Products supplied is a fresh vegetable grown in an open environment. Whilst good practices are followed (as required to be in conformance with the Global GAP and/pr Red Tractor standards), crops grown in open environments can be expected to be carrying naturally occurring microflora.

The product is supplied as a raw ingredient for further processing. A suitable preparation process is needed to bring raw products into conformance with stated requirements.

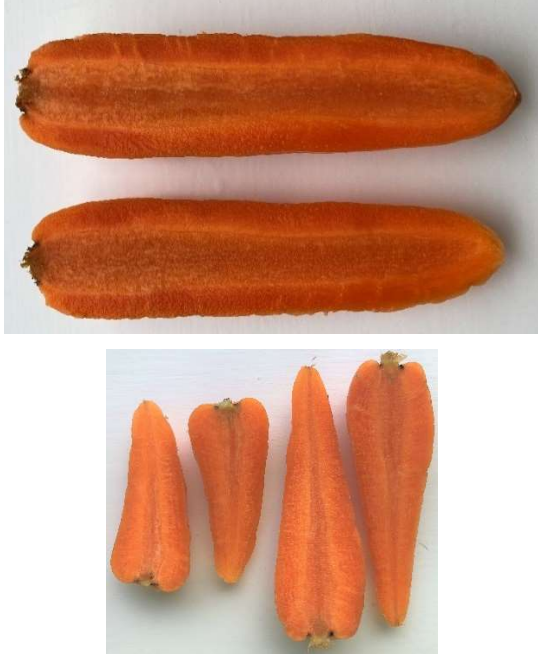



Microbiological test result standards:

Listeria ssp	N.D.
Salmonella	N.D.
Presumptive Faecal Coliforms	<10
Escherichia Coli O 157	N.D.

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Carrots

Product Photos:

Loose Product External	Loose Product Internal
	
Large Outer Packs	Outer Packs in Cartons
 	 

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NUTRITIONAL INFORMATION			
Group	Nutrient	Unit	Value per 100g
Proximate	Water	g	89
Proximate	Energy	Kcal	34
Proximate	Energy	KJ	146
Proximate	Protein	g	0.5
Proximate	Total Lipid (fat)	g	0.4
Proximate	Carbohydrate, by difference	g	7.7
Proximate	Fiber, total dietary	g	2.8 ^{Note 1}
Proximate	Sugars, total	g	7.2
Mineral	Calcium, Ca	mg	26
Mineral	Iron, Fe	mg	0.23
Mineral	Magnesium, Mg	mg	7
Mineral	Phosphorous, P	mg	16
Mineral	Potassium, K	mg	178
Mineral	Sodium, Na	mg	27
Mineral	Salt (added)	mg	0
Mineral	Salt (equivalent)	mg	68.58 ^{note 2}
Mineral	Zinc, Zn	mg	0.1
Vitamin	Vitamin C, Total Ascorbic acid	mg	2
Vitamin	Thiamin	mg	0.13
Vitamin	Riboflavin	mg	0.01
Vitamin	Niacin	mg	0.2
Vitamin	Vitamin B-6	mg	0.06
Vitamin	Folate	µg	8
Vitamin	Vitamin B-12	µg	0.01
Vitamin	Vitamin A, RAE	µg	835 ^{Note 1}
Vitamin	Vitamin A, IU	IU	2783.4 ^{Note 1}
Vitamin	Vitamin E	mg	0.09
Vitamin	Vitamin D (D2 + D3)	µg	0.0
Vitamin	Vitamin D	IU	0
Vitamin	Vitamin K	µg	5.50
Lipids	Fatty Acids, total saturated	g	0.032 ^{Note 1}
Lipids	Fatty Acids, total mono-saturated	g	0.012 ^{Note 1}
Lipids	Fatty Acids, total polyunsaturated	g	0.102 ^{Note 1}
Lipids	Fatty Acids, Total Trans	g	0
Lipids	Cholesterol	mg	0
Other	Caffeine	mg	0
Notes:	First source: McCance & Widdowson Composition of Food Integrated Data Set from HMG0V 2021 – Carrots, old, raw Note 1: Taken from USDA FoodData central – Carrots, raw Note 2: Calculated as 2.54 X Na content		

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Quality Characteristics

Criteria	Accept	Improve	Reject
Size	Within specified Size range.	Isolated inconsistent sized carrot present.	Numerous inconsistent sized, carrots out of stated size range or above GB/EU DEFRA GMS tolerances.
Shape	Cylindrical / Conical, with a pointed root end and a blunt top, stalk end. Typical of variety / type.	Isolated inconsistent or atypical shaped carrot present	Numerous inconsistent or atypical shaped carrots present
Internal Colour	Typically, bright orange flesh colour but may be other colours depending on type. Lighter coloured veins, no marks or browning.	Isolated carrot with dark marking, spots or discolouration.	Multiple carrots with internal discolouration not typical of variety or type.
External Colour	Typically, slightly dull, rough orange skin colour but may be other colours depending on variety / type.	Isolated carrot with external discoloration / browning or dark marks / spots.	Multiple carrots with significant external discolouration, dark marking and/or spots. Atypical of variety or type.
Pressure	Firm to the touch with no give or rubberyness.	Isolated carrot with significant give, softness or rubbery to the touch.	Numerous carrots with significant give and/or are soft, slimy, rubbery to the touch.
Dehydration	Free from dehydration and shrivel.	Isolated carrot dehydrated or shrivelled.	Significant number of carrots dehydrated and/or shrivelled.
Taste	Fresh, sweet, carrot flavour Typical of variety / type.	Isolated carrot with poor, bland or off flavour.	Multiple carrots with poor, bland, off flavour and/or foreign taint.

Progressive Defects

Criteria	Accept	Improve	Reject
Rots and moulds	Free from rots and moulds.	Isolated instance of rots or mould.	Significant instances of rots and moulds above current GB/EU DEFRA GMS Tolerances.

Non-progressive Defects

Criteria	Accept	Improve	Reject
Foreign matter	Free from foreign material.	Single instance of innocuous foreign body found.	Multiple instances of foreign material present.
Mechanical Damage	Free from mechanical damage.	Isolated instance of mechanical damage present.	Multiple instances of mechanical damage present.
Scarring / Skin Blemish	Skin free from blemish, scarring, and/or deformation	Isolated Carrot with scarring or skin blemish. Does not affect shape or yield.	Multiple Carrots with severe scarring, spots and/or skin blemishes present. May also affect yield.

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Packaging Defects

Criteria	Accept	Improve	Reject
Carton	Carton / Tray sound.	Carton / Tray with some sagging or minor product damage.	Carton / Tray collapsed AND product damaged.
Bag / Pack / Net (if needed)	Bags / Packs / Nets sound and sealed.	Isolated Bag / Pack / Net with integrity compromised.	Multiple Bags / Packs / Nets with integrity compromised.

GMO Statement

Does not contain genetically modified material.

Pesticide Residues

Target: Free from pesticide residues

Acceptable: Pesticide residues present below MRL in producer and destination market.

Acceptance of Specification by supplier and customer

	Supplier	Customer
Company:	NATIONWIDE PRODUCE PLC	
Date:	22 nd SEPTEMBER 2022	
Name:	MARK EDWARDS	
Signature:		
Position:	TECHNICAL MANAGER	

- To be signed by the customer Director or Owner (or a Senior Manager designated as authorised to sign specification agreements) and returned to Nationwide Produce PLC.
- Specification taken as accepted if not returned by the customer within two weeks.

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