



PRODUCE:	CARROT
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TYPE	N/A	VARIETY	Nantes, Red Count
CLASS	One	NOTES	

GENERAL APPEARANCE CRITERIA

Colour	Mid to bright orange skin and flesh.
Visual Appearance	With fresh, bright colour; tops removed; minimal remaining stalk (<10mm); no secondary roots; no excess water in prepacks; no excess foreign matter (slight soiling in skin depressions allowable).
Sensory	Firm with relatively smooth skin; crisp and juicy, not yellowed or dry and woody; slightly sweet taste (not bitter). no 'off' odours or tastes.
Shape	Straight; conical, with even taper; rounded to slightly rounded shoulders according to variety. Uniform within box.
Size	Bulk Loose Produce graded by length; small < 100mm, medium 100-150mm; medium-large 150-200mm; large >200mm. A 10% size overlap between size grades is allowable. (as per pre-ordered size)
Maturity	Not fibrous or woody.

MAJOR DEFECTS

Insects	With obvious live insects (eg borers, slugs).
Diseases	With fungal or bacterial rots (eg bacterial soft rot, Sclerotinia rot, Anthracnose). With distortion or mottling due to virus infection.
Physical/Pest Damage	With cracks, cuts, holes, or pest damage that breaks the skin. With bags, packs, or cartons containing broken carrots or broken tips. With flaking or peeling areas.
Temperature Injury	With soft, moist, discoloured lesions in the flesh (freezing damage). With soft or limp carrots (dehydrated).
Physiological Disorder	With forked or misshapen carrots. With cracking on tip of carrots (during summer supply) With yellowed or bitter flavoured carrots (ethylene damage.)

MINOR DEFECTS

Physical/Pest Damage	With superficial (<2mm deep) bruises affecting >2sq cm; no deep bruises. With shaved or chipped areas, eg on shoulders, affecting >2sq cm. With healed cuts / scratches >50mm long or >2mm deep or wide (not removable by one pass peeling).
Skin Marks/Blemishes	With dark marks eg. black ring, not developing into soft rots, affecting >1sq cm of surface area. With light rub/scuff marks (not dark against background colour) >2sq cm of surface.
Physiological Disorder	With green or purple shoulders affecting > 2 sq cm.. With > 2 % cracking on tip of carrots (during winter supply) With healed growth cracks >50mm long or >2mm deep or wide (not removable by one pass peeling).

CONSIGNMENT CRITERIA

Tolerance Per Consignment	Total minor defects (within allowance limit) to be < 2 defects per item. Total minor defects (outside allowance limit) must not exceed 10% of consignment. Total major defects must not exceed 2% of consignment. Combined Total not to exceed 10%.
Packaging & Labelling	Packaging manufactured from new food grade materials or sanitised returnable crates. All labelling must meet the current legislative requirements. Labelling to identify grower's name/brand (plus growers name/code if via a packhouse), address, contents, class, size and/or minimum net weight. Produce to identify Country of Origin (eg. Produce of Australia) on outer container.
Shelf Life	Produce must provide not less than 14 days clear shelf life from date of receipt.
Receival Conditions	Compliance with Quarantine Treatments (if required) for Interstate Consignment. Stacked onto a stabilised pallet as pre-ordered. Refrigerated van with air bag suspension, unless otherwise approved. Pulp Temperature 2 - 8° C.
Chemical & Containment Residues	All chemicals used pre/postharvest must be registered and approved for use in accordance with the requirements of the APVMA regulatory system. Residues, Contaminants and Heavy Metals to comply with the FSANZ Food Standards Code MRL's and ML's.
Food Safety Requirements	Produce is to be grown and packed under a HACCP based food safety program that is subject to an annual third-party audit. A copy of current certification to be forwarded to receiver.