

**BETA CAROTENE BEVERAGE STABLE (CLEAR)**
**Code: NC013242A**
**Tariff Code** 3203 00 10 - Natural Food Colours (Veg Origin)

**Description** Synthetic Beta Carotene crystals melted into MCT and emulsified to create an orange to yellow, clear, water soluble liquid, fortified against oxidation using food grade anti-oxidants.

**Appearance** A clear and mobile, bright orange liquid

Suitable for: Vegetarian Vegan Kosher Halal

GM Free Non-irradiated

**Uses** Beverage stable colour

**Usage rate** As required

**Product identification** E160a (i) Beta Carotene

**Ingredients** Beta Carotene, Medium-chain Triglycerides, DL-Alpha Tocopherols, Polysorbate 80, Monopropylene Glycol, Water, Ascorbic Acid

**Major Allergens**

Celery and its derivatives	Absent
Crustaceans and their derivatives	Absent
Egg and its derivatives	Absent
Fish and their derivatives	Absent
Gluten	Absent
Lupins and their derivatives	Absent
Milk and its derivatives	Absent
Molluscs and their derivatives	Absent
Mustard and its derivatives	Absent
Nuts, their oils and other derivatives	Absent
Peanuts, their oils and other derivatives	Absent
Sesame seeds, their oils and other derivatives	Absent
Soya and its derivatives	Absent
Sulphur dioxide (and sulphites at levels above 10mg/kg or 10mg/l, expressed as SO <sub>2</sub> )	Absent

**Chemical**

pH 4.5 Verification using pH meter

**Nutrition**

Energy kJ	kCal	Carbohyd.	Sugars	Fibre	Sodium	Salt
764	213	13.6 g/100g	0.0 g/100g	0.0 g/100g	0.1 mg/100g	g/100g
Fat	Saturated	Unsaturat	Polyunsat.	Monounsats.	Trans	Protein
14.7 g/100g	9.2g/100g	0.0 g/100g	2.8 g/100g	2.8 g/100g	0.0 g/100g	0.0 g/100g

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Nutritional results are based upon calculation only, not specific product testing, unless otherwise notified.

**Physical**

Absorption (Acetone) 25 - 27  
DEcmc < 1.5 DE vs std @ 0.1%  
Sieve Mesh 1mm 100% passes  
Colour Method: E | @ 448nm Value: Pigment content: 1 - 1.10% Nanometre: 448

Notes Food Colour compliant with Commission Regulation (EU) 231/2012

**Microbiological**

TVC	1000 cfu/g	max
Yeasts	100 cfu/g	max
Moulds	100 cfu/g	max
Enterobacteriaceae	0 cfu/g	max
E coli	0 cfu/g	max
Salmonella	Not Detected in 25g	max
B cereus	100 cfu/g	max
S aureus	0 cfu/g	max
Listeria	Not Detected in 25g	max
Aerobic Plate Count	1000 cfu/g	max

**Storage** Clean dry conditions in original unopened packaging. Avoid direct sunlight, humidity and heat sources

**Shelf life** 9 Months on opening: 1 Months

**Packaging** Food grade plastic jerry

**Handling** This product is safe for the intended use. Avoid ingestion or direct contact by applying suitable protective measures and personal hygiene. For full safety information and necessary precautions, please refer to the Material Safety Data Sheet

Natcol designation: N3 Non Artificial Colour

**Legal Notice**

The information given in this publication is based on our current knowledge and experience, and may be used at your discretion and risk. It does not relieve you from carrying out your own precautions and tests. We do not assume any liability in connection with your product or its use. You must comply with all applicable laws and regulations, and observe all third party rights.

Specifications issued with prefix 'DEV' are in development, are subject to change and should not be relied upon for production or commercial purposes until verified by Plant-Ex Ingredients Ltd

**CUSTOMER APPROVAL**

Approved on behalf of (Customer Name)..... by ..... position.....  
Please sign date and return a scanned copy this spec to quality@plant-ex.com within 14 days after which time approval will be assumed

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