



Vegex® Tangerine 520 WS

Product Data Sheet

Version: 1 DS US EN 01-28-2022

Description

Vegex® Tangerine 520 WS is a dark orange-red liquid produced by extraction of carminic acid from the cochineal insect. The pigment is diluted in propylene glycol and water. The major coloring principle is carminic acid. The product is standardized on the carminic acid strength according to the FCCII method.

Material no:

703750

Ingredients:

Water, Propylene glycol, Citric acid, Cochineal extract.

Raw Material; Source; Origin; Function

Water; Water; Europe; Carrier

Propylene glycol; Synthetic; Europe; Carrier

Citric acid; Cane sugar or Beet sugar; Middle East / South America / Europe; Acidity regulator

Cochineal extract; Cochineal insect; South America; Color

Palm Oil

The ingredients used for this product are not derived from palm oil.

Contaminants

This product meets the US Regulations in the Code of Federal Regulations (CFR) and FCC monographs for heavy metals (where applicable). Pesticides are listed in 40 CFR.

Enzymes

No enzymes used in the production of this product.

Natural status

According to existing US regulations there is no definition of the naturalness of colors. Therefore Oterra has established a position on naturalness of colors based on NATCOL (Position on the Definition of the term "Natural color") and CODEX positions.

Product Status: Natural Color (N1)

This is a color substance that is derived from plant, animal, mineral or microbiological source. The color substance is derived through traditional processing and/or appropriate physical processing (including distillation and solvent extraction).

The process does not modify the chemical nature of the coloring substance.

(Above refers to the NATCOL Position on the Definition of the term 'Natural color')

Microbiological method references

Total viable count = ISO 4833-2:2013



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Total Yeast and Moulds = ISO 21527-1,2:2008

Total Enterobacteriaceae = ISO 21528-2:2004

Aerobic sporeforming bacteria = ISO 4833-2:2013 mod (Heat treated 10-12 minutes at 80°C)

Sulphite reducing clostridia = ISO 15213:2003

Salmonella = ISO 6579:2002, A1:2007

Listeria monocytogenes = Bio 12/2-06-94 VIDAS

E. coli = ISO 16649-2:2001

S. aureus = ISO 6888-3:2003

Tested according to monitoring plan.

California Proposition 65

Oterra colors comply with the State of California's Safe Drinking Water and Toxic Enforcement Act of 1986 known as Proposition 65. This product does not contain levels of contaminants or by-products that require a warning label.

Non-irradiation

Oterra hereby declares that our color products have not been irradiated in its manufacturing.

Sewage sludge

Oterra hereby declares that our color products are free of sewage sludge.

BSE / TSE

The raw materials used for this product do not represent a risk regarding Bovine Spongiform Encephalopathy (BSE) and Transmissible Spongiform Encephalopathy (TSE).

Production site

Manufactured by Oterra A/S, Denmark

Supplier's certifications

Certifying body Bureau Veritas (BVC): ISO 14001 and FSSC 22000

GMP practices

Each production and warehouse site must maintain local GMPs and Food Safety procedures and comply with local regulations. These guiding principles are based on the Global Food Safety Initiative requirements as related to FSSC 22000, TS 22002-1, ISO 22000, Codex Alimentarius Food Hygiene, plus our customers' and our own demands concerning food hygiene and food safety.

Pasteurization

This product has not been pasteurized. Please refer to the Flow Sheet document for further information of the process.

Foreign bodies

Filter: Max 0.5 mm

Packaging



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Size 5 kg

Type White plastic can 5 l

Characteristics

Material used for packaging: HDPE

Empty can weight: app. 330 g

Dimensions: 150 mm x 193 mm x 271 mm

Height pallet: Stacking height is 4 cans which corresponds to 1072 mm without pallet height.

Number of cans/pallet: 30 cans in one layer and max 120 per pallet.

Pallet: Wood, 1200x800x150 mm + plastic wrapping.



Conversion factors: (weight) 1 KG = 2.20462 LB or 1 G = 0.00220462 LB; (length) 1 mm = 0.0393701 inches.

Batch number information

5-10 digit code produced by ERP (SAP) system. No intelligence attribute to the code. We have defined a global procedure for batch tracing and it will be conducted within 8 hours.

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Remaining shelf life

Total shelf life less than 8 months: 50 % left of shelf life upon delivery is guaranteed.

Total shelf life more than 8 months: At least 4 months left at the time of delivery

Shelf life after opening the containers

If products are opened or kept at other temperatures than recommended, Oterra cannot guarantee full shelf life and quality of the product.

However, to the best of our knowledge and based on our expertise, products containing preservatives, acetic acid or our OS-products can normally be kept at ambient temperature for a couple of days. All other products should be kept cold and used within 1-2 days. Please contact your Oterra representative for such requests.

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Emergency number

24/7 number is +45 35 15 56 00.

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Description Vegex® Tangerine 520 WS is a dark orange-red liquid produced by extraction of carminic acid from the cochineal insect. The pigment is diluted in propylene glycol and water. The major coloring principle is carminic acid. The product is standardized on the carminic acid strength according to the FCCII method.

Packaging: **Material no:** 703750 **Size:** 5 kg **Type:** White plastic can 5 l

Physical Properties **Color:** Dark reddish orange
Form: Liquid
Solubility: Water soluble and acid proof

Application **Usage**
Foods generally.

Please consult Chapter 21 of the CFR for current legislation, as restrictions within specific food applications may apply. Legislations are not globally harmonized, therefore it is advised to consult regulations for the intended market against final application.

Orange to red hue in the final product, depending on the food product, processing and the quantity used.

Directions for use

Warm the product to room temperature before use in order to make it pourable. The product temperature may not exceed 35°C. Shake the product before use, as pigment may settle during storage.

Storage and handling **Temperature:** 4 - 8 °C / 39 - 46 °F
Conditions: Dry, Protect from light

Ambient transport for up to 7 days allowed. If transported more than 7 days, refrigerated transport is required.

Shelf life 548 days in unopened containers at the recommended storage temperature.



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Technical Data

Color strength:	% carminic acid(FCCII): 7.8 - 8.6%
pH:	1.50 - 2.20 (direct in liquid)
Relative density:	1.00 - 1.20
Odor:	Odorless

Microbiological quality	
Total Viable Count:	≤ 1000 cfu/g
Total Yeasts and Moulds:	≤ 100 cfu/g
Total Enterobacteriaceae:	≤ 10 cfu/g
Aerobic Sporeforming Bacteria:	≤ 100 cfu/g
Sulphite reducing clostridia:	≤ 10 cfu/g

Pathogens	
<i>Salmonella sp.:</i>	Absent in 25g
<i>Listeria monocytogenes:</i>	Absent in 25g
<i>E. coli:</i>	Absent in 1 g
<i>S. aureus:</i>	Absent in 1 g

Legislation

This color is in full compliance with 21 CFR Part 73.100 and is approved for use in food. It is exempt from certification.

Ingredients

Water, Propylene glycol, Citric acid, Cochineal extract.

Labeling

Labeling of this product for the ingredient statement should be according to the FDA regulations, 21CFR 101.22. For example: carmine (color); colored with carmine.

California Proposition 65

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Trademarks

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Dietary status

Kosher:	Kosher Pareve Excl. Passover
Halal:	Certified
Vegetarian:	No

Technical support

Oterra's Application and Product Development Laboratories and personnel are available if you need further information.