



M-20/7-WS

Product Information

Version: 1 PI EU EN 09-24-2020

Description

M-20/7-WS is a dark orange liquid produced by blending annatto extracted from the seeds of the annatto tree (*Bixa orellana* L.) and turmeric extracted from the turmeric root (*Curcuma longa* L.). The extracts are solubilized in food grade emulsifiers and carriers.

Material no:	703594	Storage and handling:	4 - 8 °C / 39 - 46 °F Ambient transport for up to 7 days allowed. If transported more than 7 days, refrigerated transport is required.
Size:	8 kg	Conditions:	Dry, Protect from light
Type:	White plastic can 10 l	Shelf Life:	548 days in unopened containers at the recommended storage temperature

Usage

Foods generally.

Restrictions or exemptions may apply according to specific usages and commodity standards. Relevant food legislations should always be consulted in ensuring compliance.

Products with low or neutral pH. Yellow to orange hue in the final product depending on the food product, processing and the quantity used.

Directions for use

Shake the product before use, as pigment may settle during storage. Can be added directly to the food product while stirring. If the color is to be diluted before use, it is preferable to use soft or distilled water. If not available mix with water immediately before use. Do not mix with calcium salts.

Ingredients

Water, Propylene glycol (E 1520), Polysorbate 80 (E 433), Natural flavoring preparation (turmeric oleoresin), Annatto norbixin (E 160b(ii)), Potassium hydroxide (E 525).

Propylene glycol: 37 %

Polysorbate 80: 20 %

Physical Properties

Color:	dark orange	Solubility:	Water soluble
Form:	Liquid, viscous	Odor:	Characteristic

Specification

Color strength: Annatto norbixin: 0.35 - 0.50 % (calculated value)

Curcumin: 1.10 - 1.35 % (calculated value)



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pH: 7.00 - 8.00 (direct in liquid)

Relative density: 1.04 - 1.08

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

Heavy metal residues: Tested according to monitoring plan to confirm compliance with EU Regulation 231/2012/EU with later amendments for the color part and with Regulation 1881/2006/EC with later amendments for the flavor part.

Pesticide residues: Tested according to monitoring plan to confirm compliance with EU Regulation 396/2005/EC with later amendments.

Illegal dyes: Tested according to monitoring plan to confirm compliance with EU Regulation 669/2009/EC.

Vegetarian: Yes
Kosher: Kosher Pareve Excl. Passover
Halal: Certified

Legislation

The product is in full compliance with EU Food Regulation 178/2002/EC with later amendments. The color part is in full compliance with the specifications for identity and purity given by EU Regulation 231/2012/EC with later amendments for 160b(ii). The flavor part is in full compliance with EU Flavor Regulation 1334/2008/EC with later amendments.

The product is intended for use in food.

Labeling

Color: Annatto norbixin or Color: E 160b(ii) and Flavor or Natural flavor.

Labeling should be done in accordance with EU Regulation 1169/2011/EU with later amendments on the provision of food information to consumers. Ingredients having no technical effect in the final food product application may be regarded as carry-over (Art. 20) depending of the final application and of the applied dosage.

Nutritional Information

Values per 100g

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Energy kJ:	731 kJ
Energy kcal:	174 kcal
Protein:	0,0 g
Carbohydrate:	0,0 g
- Sugars:	0,0 g
Fat:	19,0 g
- Saturated fat:	1,6 g
Salt:	0,00 g

Nutritional information is provided based on EU Regulation 1169/2011/EU on food information to consumers despite the fact, that this product is exempted from nutritional declaration. The listed nutritional values are the main components calculated based on information from the raw material suppliers and should only be used as a guideline. The listed components do not necessarily add up to 100%, because the product may contain other components, which are not included in the nutritional declaration. Typically, the usage of this product will be at a low dosage in the final food application, and therefore the nutritional contribution will be minor.

Technical support

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

Trademarks

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GMO Information

In accordance with the legislation in the European Union* M-20/7-WS does not contain GMOs and does not contain GM labeled raw materials**. In accordance with European legislation on labeling of final food products** we can inform that the use of M-20/7-WS does not trigger a GM labeling of the final food product. Oterra's position on GMO can be found on: www.oterra.com

* Directive 2001/18/EC of the European Parliament and of the Council of 12 March 2001 on the deliberate release into the environment of genetically modified organisms with later amendments, and repealing Council Directive 90/220/EEC.

** Regulation (EC) No 1829/2003 of the European Parliament and of the Council of 22 September 2003 on genetically modified food and feed with later amendments. Regulation (EC) No 1830/2003 of the European Parliament and of the Council of 22 September 2003 concerning the traceability and labeling of genetically modified organisms and the traceability of food and feed products produced from genetically modified organisms amending Directive 2001/18/EC, and with later amendments.

Allergen Information

List of common allergens in accordance with the US Food Allergen Labeling and Consumer Protection Act of 2004 (FALCPA) and EU Regulation 1169/2011/EC with later amendments	Present as an ingredient in the product
Cereals containing gluten* and products thereof	No
Crustaceans and products thereof	No
Eggs and products thereof	No
Fish and products thereof	No
Peanuts and products thereof	No
Soybeans and products thereof	No
Milk and products thereof	No
Nuts* and products thereof	No
List of allergens in accordance with EU Regulation 1169/2011/EC only	
Celery and products thereof	No
Mustard and products thereof	No
Sesame seeds and products thereof	No
Lupine and products thereof	No
Mollusks and products thereof	No
Sulphur dioxide and sulphites (added) at concentrations of more than 10 mg/kg or 10mg/litre expressed as SO ₂	No

* Please consult the EU Regulation 1169/2011 Annex II for a legal definition of common allergens, see European Union law at: www.eur-lex.europa.eu