

PRODUCT SPECIFICATION SHEET

Issued Date: 06-25-2021

Product Name: Vegetable Orange Liquid WS26

Product Code: 300108

Description, including color and solubility

Vegetable Orange Liquid WS26 is a natural-derived and water-soluble food color liquid with a long history of use in food applications. It is extracted from the seeds of the Bixa Orellana tree. The principal coloring component is the carotenoid norbixin.

Identification

Chemical name	(9'-cis) -6,6'-diapo- ψ,ψ -carotenedioic acid
Synonyms:	Annatto, Achiote, Norbixin
Latin Name	Bixa Orellana
CAS No.:	542-40-5
CNS No.:	/
E No.:	E160b
Empirical formula:	$C_{24}H_{28}O_4$
Molecular weight:	380.5 g/mole

Solubility

Soluble in water

Stability & Storage

Heat Stability: The pigment's resistance to light and heat is good under most conditions. The colorant will precipitate in acidic conditions, but acid-stable forms of the colorant are available.

Storage condition: Store in a tightly closed container in a cool, dark place.

Application

1. Dairy, bakery, snack foods, cake decoration
2. Candy and other confectionery products

Regulatory Status

EU Food Additives Regulation EC No.1333/2008: E160b(ii)
USA Food Additives CFR Title 21 Part 73.30 Annatto Extract

This Product Contains

Maltodextrin, annatto extract, potassium hydroxide

Suggested Labeling

EU: E160b
USA: Colored with Annatto Extract; Annatto Extract (color)

Ingredients, Safety, and Hazard

Vegetable Orange Liquid WS26 is made with potassium hydroxide, which helps to solubilize the coloring principle and stabilize it in solution. The high pH of this product may be damaging to the skin and mucous membranes, so proper protective equipment should be worn when handling this material. Wear the proper eye, nose, and skin protection. Upon exposure to skin or mucous membranes thoroughly flush the affected area with clean, cool water. Consult a physician if there is irritation or chemical burns.

Shelf Life

When stored under recommended conditions, 12 months minimum.

Recommended Storage Conditions

Store in a cool, dark, dry place, tightly sealed in its original container. Avoid exposure to heat or direct light. As the container is emptied, and if stored for longer periods of time is anticipated, it may help to transfer the contents from the original container to a clean, opaque container of a suitable size to minimize exposure to oxygen in the

headspace of the container.

Specifications

<u>Value</u>	<u>Standard</u>
Specific Gravity	Not Determined
Total Plate Count	< 10 cfu/g
Yeast and Mold	<10 cfu/g
Coliforms	<3 MPN/g
Salmonella	Negative/1g
E.Coli	Negative/1g

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