



## Annatto WS 14 - Liquid 423013

### DESCRIPTION

Water soluble liquid that appears orange in food and beverages.

### SPECIFICATIONS (as manufactured)

### Range

Appearance (Visual Inspection)	Yellow-orange to orange
pH (10% Solution in DI Water)	12.00 to 13.00
Color Intensity (Abs. at 453)	3.770 to 4.350
Specific Gravity (at 20°C/68°F)	1.020 to 1.060
% Pigment Concentration (% Norbixin)	1.30 to 1.50

### EXAMPLE LABELING

- Annatto Extract (US)
- Annatto / Rocou(CA)
- Colour [160b] (AU/NZ)

Labeling requirements vary significantly between countries. The example labeling given herein should not be used or adopted without confirming the legal requirements of the subject country and intended application.

### INGREDIENTS

Water, Annatto Extract, Potassium Hydroxide.

### SHELF LIFE AND STORAGE CONDITIONS

Primary: 6 months at 60F/16C-80F/27C

Shelf life conditions given are applicable for unopened products in original containers. DDW's shelf life is guaranteed from our date of manufacture under primary storage conditions. For best results, use immediately after opening.

### SHIPPING

DDW would suggest shipping under recommended storage conditions. If you would prefer to ship under alternative conditions, please contact your DDW representative.

### HANDLING CONDITIONS

This product should be handled in accordance with GMP. In addition: mix well before using. Avoid exposure to: air, direct light, freezing temperatures, high heat.

### PACKAGING

Packaging materials used comply with applicable national legislations for food contact substances.<sup>1</sup>

### DIETARY SUITABILITY AND CERTIFICATIONS

Kosher	Passover
Halal	Certified
Gluten	<20ppm Gluten
Animal Derivatives	None
GM Status	Non-GM*

\*This product is not genetically modified, nor does it contain any ingredients derived from Bioengineered/Genetically Modified crop sources and therefore does not require labeling disclosure according to U.S. 7 CFR §66, EU Regulation (EC) No 1830/2003, and Regulation (EC) No 1829/2003.



**ALLERGENS**

Allergens: None

DDW considers the following to be allergenic substances or products thereof: peanuts, tree nuts, milk, eggs, soybeans, fish, crustaceans, molluscs, cereals containing gluten, wheat, buckwheat, sesame seeds, sulfur dioxide, mustard, celery, lupin, tomato.

**NUTRITIONAL DATA (per 100g)**

Calories/Energy (kcal)	8	Ash (g)	3.0
Fat, total (g)	0.5	Protein (g)	0.4
Saturated Fat (g)	0.0	Moisture (g)	95.0
Trans Fat (g)	0.0	Vitamin A (mcg RAE)	0
Cholesterol (mg)	0.0	Vitamin C (mg)	0
Carbohydrates , total (g)	1.1	Vitamin D (mcg)	0
Dietary Fiber (g)	1.1	Calcium (mg)	64
Total Sugars (g)	0.0	Sodium (mg)	49
Added Sugars (g)	0.0	Potassium (mg)	2,111
Other Carbohydrates (g)	0.0	Iron (mg)	14
Other Non-Nutritive Components (g)	0.0*		

The data presented herein has been analyzed and/or calculated from published information. Values shown may differ due to calculation rounding and ingredient variability, therefore this information should only be used as a guideline and is not guaranteed.

\*To the best of our knowledge, these components do not contribute significantly to caloric content.

According to studies carried out by the Ontario Research Foundation, non-enzymatic browning reduces sugar content by creating long chain bodies which are neither absorbed nor metabolized by the body. Our brown line of products have undergone such browning and therefore DDW does not consider total carbohydrates as an accurate representation for caloric content. Caloric content is calculated from analyzed data on residual sugars.

**MICROBIOLOGICAL DATA**

**Typical**

Aerobic Plate Count	< 1000 cfu/g
Mold	< 100 cfu/g
Yeast	< 100 cfu/g
E. coli	< 10 cfu/g
Salmonella	Not found in 25 g (negative)
Total Coliforms	< 10 cfu/g
Listeria monocytogenes	Not found in 25 g (negative)
Staphylococcus aureus	< 10 cfu/g

Once this product has been opened, microbiological specifications are no longer guaranteed.

DDW does not utilize the following to control microbiological growth in or on foodstuffs: ethylene oxide (ETO), irradiation, propylene oxide (methyloxirane), or bleach.

**HEAVY METALS**

This product is in compliance with the heavy metal limits as set by the applicable national legislation purity criteria.<sup>1</sup>

**IRRADIATION**

This product and its ingredients have not been treated with ionizing radiation. This conclusion is based on assurances from our raw material suppliers that materials are not treated with irradiation.



## NANOMATERIAL

This product is not considered an engineered nanomaterial.

## PESTICIDES

This product is not expected to exceed pesticide residue limits as set by applicable national legislations.<sup>1</sup> This conclusion is based on assurances from our raw material suppliers in addition to periodic testing by an outside laboratory on various products to ensure compliance.

## COMPLIANCE

<sup>1</sup>Information provided throughout this document in reference to applicable national legislations shall be understood to mean that this product complies with the applicable legislation in the regions listed herein without explicit reference to the legislation. This product may be evaluated for compliance with other countries upon request.

US: The color in this product complies with the purity criteria established under 21 CFR §73.30. All ingredients/additives are food-grade and acceptable for use in the US in accordance with FDA Regulations.

CA: The colour in this product complies with the purity criteria established by FCC and/or JECFA for Annatto. All ingredients/additives are food-grade and acceptable for use in Canada in accordance with the List of Permitted Additives.

AU/NZ: The colour in this product complies with the purity criteria established by Australia New Zealand Food Standards Code - Schedule 3 for annatto extract [160b]. All ingredients/additives are food-grade and acceptable for use in accordance with FSANZ Standards.

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Product may be subject to restrictions for use, please consult national legislation.

The information given throughout this document or any other data provided by DDW is to be considered accurate and reliable. However, DDW assumes no liability for any damages and/or losses incurred from following this information. The user should make an independent investigation and verification of this information. It is the sole responsibility of the user to determine the conditions necessary for the safe, legal, and appropriate use of this product.

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