



## Novact Corporation

13395 SW 131st Street  
Miami Florida, 33186  
United States of America

Phone: (305) 235-3950  
Fax: (305) 278-8266  
e-mail: [office@novact.us](mailto:office@novact.us)  
[www.novactcorporation.com](http://www.novactcorporation.com)

# Novact Carmine WS 5% Liquid

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## DESCRIPTION

**Novact Carmine WS 5% Liquid** is a dark water-soluble powder produced from Aluminum Lake and Cochineal Carminic Acid. It is obtained by aqueous color extraction from the Cochineal, followed by a spray-drying process. It provides a red colored solution.

## APPLICATION AND APPEARANCE IN FOOD

**Novact Carmine WS 5% Liquid** is used in ice-cream, bakery products, confectionery, snacks, soups, desserts, meat, and other food products with an aqueous phase. The **Novact Carmine WS 5%** has a Red pinkish hue in the final product, depending on the food product, processing, and amount used.

## DIRECTIONS FOR USE

Shake **Novact Carmine WS 5% Liquid** before use as pigment may settle during storage. The color may be added to the food while stirring. If it's necessary to dilute the color before use, is recommended to use soft or distilled water; if not available, mix with water immediately before use. Do not mix with calcium salts.

## APPROVALS AND LABELING

The color is in full compliance with the specifications for identity and purity given by the JECFA, with the EU Regulation 231/2012/EC, with later amendments for E120, and with existing legislation described in 21 CFR 73.100

In the United States, no certification is necessary and **Novact Carmine WS 5% Liquid** may be used in whichever amount required as long as it is consistent with Good Manufacturing Practices.

The **Novact Carmine WS 5% Liquid** itself is not a GMO and no GMO ingredient is contained in it or used during its production process. No GM labeling on the final food product is required.

## SPECIFICATIONS

| PROPERTY                    | VALUES           |
|-----------------------------|------------------|
| Carminic Acid cont. (FCCII) | >5.00 %          |
| Solubility in Water         | Soluble          |
| pH1%( in aqueous solution)  | <11.50           |
| Density                     | 1.00 – 1.10 Kg/L |



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### MICROBIOLOGICAL PURITY

| TEST               | LIMIT/SPECIFICATION |
|--------------------|---------------------|
| Total Viable Count | < 1000 cfu / g      |
| Total Yeasts       | < 100 cfu / g       |
| Total Moulds       | < 100 cfu / g       |
| Salmonella         | Absent in 25 g      |
| E. coli Numeration | < 3MPN / g          |

### HEAVY METALS

| TEST               | LIMIT/SPECIFICATION |
|--------------------|---------------------|
| Arsenic            | < 1 ppm             |
| Lead               | < 2 ppm             |
| Mercury            | < 1 ppm             |
| Cadmium            | < 1 ppm             |
| Total Heavy Metals | < 10 ppm            |

### STORAGE

Store in a cool (15°C - 25°C), dry and ventilated area in its proper container tightly sealed

### SHELF LIFE

If the product is stored under these conditions, it will maintain its properties up to 2 years from the date of manufacture.

### PACKING

- Available in 4, 10 or 20 kg Plastic Jugs
- Available in 180 Kg Steel drums