



Novact Corporation

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United States of America

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Novact Carmine WS 50% Powder

DESCRIPTION

Novact Carmine WS 50% Powder 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 APPEARENCE IN FOOD

Novact Carmine WS 50% Powder is used in ice-cream, bakery products, confectionery, snacks, soups, desserts, meat, and other food products with an aqueous phase. The **Novact Carmine WS** has a Violet to reddish hue in the final product, depending on the food product, processing, and amount used.

DIRECTIONS FOR USE

Dilute **Novact Carmine WS 50% Powder** using soft water only at room temperature. Use constant agitation when adding powder. After filtering, add Propylene Glycol (5%), Glycerin (5%), and Potassium Hydroxide (or Ammonium Hydroxide) until pH reaches 11-11.5

APPROVALS AND LABELING

The **Novact Carmine WS 50% Powder** 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 50% Powder** may be used in whichever amount required as long as it is consistent with Good Manufacturing Practices.

The **Novact Carmine WS 50% Powder** 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)	>50.00 %
Solubility in Water	Soluble
pH1%(in aqueous solution)	> 9
Density	0.30 – 0.45 Kg/L
Moisture	< 10.0%



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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.

CARRIER

As requested (dextrose, maltodextrine, salt)

PACKING

- Available in 5, 20 and 25 kg Plastic bags
- Available inside PE drums or Fiber drums