

## TREATMENT OF BLACK SPOT IN ALL TYPES OF CRUSTACEANS



### Application:

Product in liquid used by immersion that prevents melanosis in cephalothorax, locomotor appendages and caudal fan of all types of crustaceans.

Melanosis is a natural oxidative process which appears in crustaceans in a few hours after being caught, being delayed this effect in case of quick cooling or freezing.

### Technological Function:

- Reacts with oxygen eliminating it from the environment and prevents the initiation of the oxidative process.
- It sequesters the metal ions present (Fe, Cu, etc.) and acts as cofactors of this oxidative process.
- Respect the use of others antimelanotics additives that contain sulfites (allergen), this product does not have sulfites, it is odorless, and the concentration of sulfurous anhydrous (SO<sub>2</sub>) in edible parts of the crustaceans will be 0 or less than 10 ppm.
- Provides an intense shine and does not modify the natural organoleptic features of the crustacean.
- The only product on the market with ability to block activity of polyphenol oxidase and laccase

### Technological Application:

- Treatment of crustaceans after their capture on board or on land.
- After thawing as reinforcement treatment at the factory.

### Composition:

Water

Antioxidant:

E-330 (citric acid)  
E-586 (4-hexylresorcinol)

Support:

E-422 (glycerin)

### Technical specifications:

*(values can be changed without prior notice and regularly controlled by random sampling)*

Appearance	Yellowish liquid pH (1% solution)	2 – 3
GMO's	Absence	
Solubility	Soluble in water	

## **Recommended dosage (in water):**

Crustaceans	0,7-1 % (7-10 gr/L)
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Treatment by bath immersion:

- *Bath yield:* 2 or 3 Kg of crustacean for each lt of solution (with the additive). The solution can be used for posterior treatments the same day of preparation. Solution must always cover the crustacean.
- *Time of treatment:* 5 – 10 minutes.  
Use cold water. In case of using tap water, add 3.5% of salt (35 gr/L) plus NATURXYL 3.0
- Recommended ratio raw material: water: 1:1

## **Packing, Storage conditions and Shelf Life:**

- Polyethylene drums of 25 kg (net weight). Other formats available upon request.
- Store cool and dry. Keep away from direct light and heat sources.
- Shelf life: 12 months after date of production (see label in original packaging).

## **Health and Safety:**

- Can be used according to Regulation N° 1333/2008. Annex II (CE).
- Substances recognized as G.R.A.S. according to FDA (USA).
- Ask for applicable legislation of the country in which the final product will be used.

## **ADDITIONAL INFORMATION**

### **ALERGENS**

This product does not contain any allergens and is in accordance with Regulation 1169/2011 (EC)

### **GMO**

This product has not been manufactured with ingredients, additives, aromas and other materials from genetically modified materials, therefore, it is not included in the scope of the Regulations 1829/2003 and 1830/2003 (EC)

### **IONIZING RADIATION**

This product has not been treated with any type of ionizing radiation; therefore it does not fall within the framework of application of Directives 1999/2 / EC or 1999/3 / EC on food and food ingredients treated with ionizing radiation.

### **NANOTECHNOLOGY**

This product has not been manufactured using nanotechnologies, it is not considered as a nanomaterial according to the definition established in the COMMISSION RECOMMENDATION of October 18, 2011 (2011/696 / EU)

### **N.R.S: 31.003527/M**



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