

# KOATILM™

## PRODUCT DESCRIPTION SHEET

Code 4201	File name PDS4201	Analyst Ms. Shah	Version 03	Date 02/02/2022
--------------	----------------------	---------------------	---------------	--------------------

### DESCRIPTION

Koatilm™ is a chitosan-based coating with dual functionality towards retardation of enzymatic browning and prevention of tissue softening caused by fungal decay in postharvest fruits and vegetables.

### KEY BENEFITS

- Surface Antifungal
- Retards browning
- Extends fruit ripening
- Longer freshness
- Film-forming property
- Clean label

### APPLICATION AREAS

Fruits and vegetables (e.g. Apples, Apricot, Avocado, Cherries, Fig, Grape, Lemons, Lychee, Mango, Melon, Nectarine, Oranges, Peach, Pears, Strawberries, Tomato)

### DIRECTION FOR USE

In general, dissolve Koatilm™ in distilled water to prepare 1-5% solution, the solution shall be used to dip or spray fresh fruits and vegetables, followed by drying and packaging processes.

The applied method and exact dosage of Koatilm™ depends on the application for which it is intended. Please contact us for specific information.

### COMPOSITION

Chitosan (w/w)	≥ 50%
Natamycin concentration (w/w)	≤ 40%
Vitamin C (w/w)	≤ 10%
Loss on drying (over P <sub>2</sub> O <sub>5</sub> , in vacuum at 60 °C to constant weight)	≤ 8%

\*The exact percentage variations may occur from batch to batch

### HEAVY METALS

Arsenic(mg/kg)	≤3
Lead(mg/kg)	≤2
Mercury (mg/kg)	≤1

### MICROBIOLOGICAL SPECIFICATIONS

Total plate count (CFU/g)	≤1,000
Yeasts and molds (CFU/g)	≤100
<i>E. coli</i> (CFU/25g)	Absent
<i>Salmonella</i> spp. (CFU/25g)	Absent

### PHYSICAL / CHEMICAL SPECIFICATIONS

Appearance*	White to brown powder
pH (1% aq sol.)	5.0-7.5

\*Appearance may vary from batch to batch.

### PACKAGING

Koatilm™ is available in 500 g/bottle. Packaging is available in other quantities.

Plastic materials comply with Regulation (EU) No 1935/2004, 2023/2006 and 10/2011.

### STORAGE

The shelf life is 24 months when stored unopened at room temperature in dry conditions, away from direct sunlight and odorous products.

When opened, store at room temperature in the original container.

### ALLERGENS

Components	Yes/No
Peanut or its derivatives	No
Tree Nuts, macadamia nuts, pecans, pine nuts, pistachios and walnuts or their derivatives	No
Sesame or its derivatives	No
Eggs or its derivatives	No
Fish or its derivatives	No
Crustaceans and shellfish or their derivatives	No
Soy or its derivatives	No
Wheat, triticale or their derivatives	No
Mustard or its derivatives	No
Milk or its derivatives (e.g. Lactose)	No
Sulphites	No

### GMO STATUS

According to regulations EC No. 1829/2003 and 1830/2003, Koatilm™ has not been derived from and does not contain compounds from GMO.

### REGULATIONS

Koatilm™ is used as a processing aid and can be washed off before consumption.

The regulations governing the use of Koatilm™ vary considerably in the countries in which it is currently approved. Advice regarding the legal status of this product is available on request.

HANDARY SA  
Rue Colonel Bourg 127  
1140 Brussels, Belgium

T +32 23 74 63 14  
E info@handary.com  
www.handary.com  
No. BE 0817 450 771

The information contained in this file is based on our own testing analysis and is, to the best of our knowledge, reliable. Users should, however, conduct their own test to determine the suitability of our products for their own specific purposes.



**Freshcare**  
for Quality

TM