



# HEIQ<sup>®</sup> **ALLERGEN\* TECH**

**SYNBIOTIC PROTECTION**

## **NATURALLY DERIVED TECHNOLOGY**

*HeiQ Allergen\* Tech is a 100% biobased, proprietary technology that reduces exposure to allergens such as house dust mite matter, and pet allergens with the help of active probiotics.*



 **FOR TEXTILE**

**SWISS  
TECH  
INSIDE**

(\*Inanimate allergens such as house dust mite matter & pet allergens)



## Outstanding qualities

- Significant reduction of inanimate allergens from textiles
- 100% biobased\*\* technology
- Based on the natural process of probiotic colonization
- Utilizes a powerful blend of multiple non-modified bacterial strains

## Added value

- Allergy UK endorsed
- Patent-pending
- Durable performance beyond 20 home launderings
- Non-irritant to the skin
- No impact on fabric properties such as breathability, color, hand feel or wicking

## Wide-ranging applications

- Applicable to work on any fiber: natural, synthetics and blends
- For home textiles

## Standards

- OEKO-TEX® suited
- Meets most brand RSL requirements
- USDA bio-preferred certification in progress
- Designed for circularity

## WHAT DOES IT DO?

HeiQ Allergen\* Tech is an innovative probiotic textile technology utilizing the combination of prebiotics and probiotics (= “synbiotics”) that cleans up allergens. The probiotics colonize textile surfaces with good bacteria, effectively reducing common inanimate aero allergens such as dust mite matter and pet allergens (pet hair, dander, saliva).

## WHAT IS IT FOR?

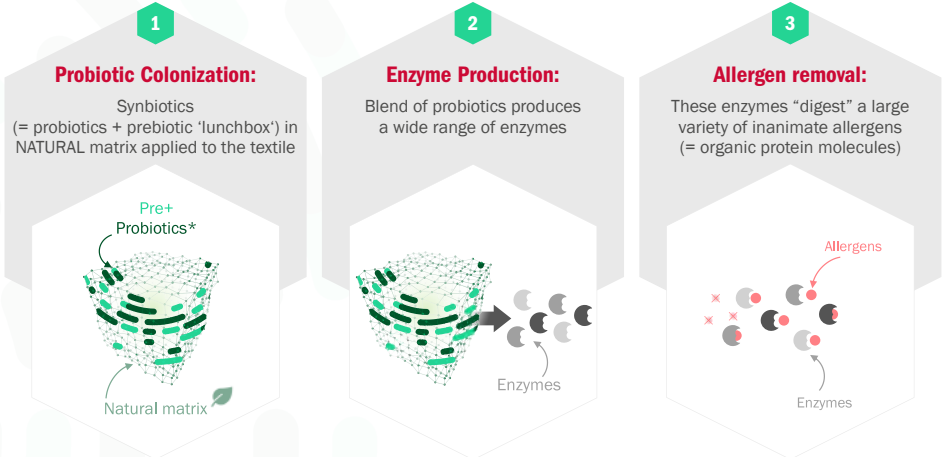
HeiQ Allergen\* Tech provides a biotechnical solution for allergen reduction in home textiles such as fabrics for mattresses, mattress toppers, bed linen, pillow covers, but also carpets, rugs and upholstered furniture – whatever is in reach of dust mites and your beloved pets: your pillow, bed, sofa, carpet and all textiles in cars, offices and hotel rooms...

\*\*Based on third-party testing of bio-based carbon content using ASTM D6866

## INNOVATIVE ALLERGEN CONTROL AT WORK

The technology is based on the natural process of probiotic colonization. A powerful blend of multiple strains of the Bacillus family are delivered to the textile in a 100% biobased porous matrix that protects them and allows slow release.

The blend of active probiotics produces a wide range of enzymes that consume a large variety of inanimate allergens, resulting in reduced exposure.

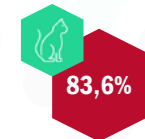


\*Probiotics (food-grade) are derived from natural source materials. They were discovered in soil and water by scientists.

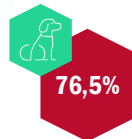
## HEIQ ALLERGEN TECH SUCCESSFULLY TESTED

The naturally derived technology has been tested and certified by an independent, accredited lab, BMA Labor in Bochum/Germany.

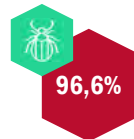
### HeiQ Allergen Tech successfully reduced:



of cat (hair) allergen  
Fel d1



of dog (hair) allergen  
Can f1



of house dust mite matter  
allergen Der f1

**BMA protocol:** On a contaminated textile, after only two weeks of incubation and colonization

### DID YOU KNOW?

The prevalence of **respiratory allergy**  
in an average adult population is **40,3%**



**Sustainable technology  
for allergen control**

*HeiQ Allergen Tech significantly and durably reduces allergens whilst leaving a minimal environmental footprint.*

- Designed for circularity
- Naturally derived
- 100% biobased technology (probiotics and the slow-release matrix)
- OEKO-TEX® suited
- Meets most brand RSL requirements
- Based on the natural process of probiotic colonization

OEKO-TEX® suited

Ø ZDHC





**Get inspired and learn more about our innovative technologies on:  
[www.heiq.com](http://www.heiq.com)**

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