

HEIQ[®] **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?

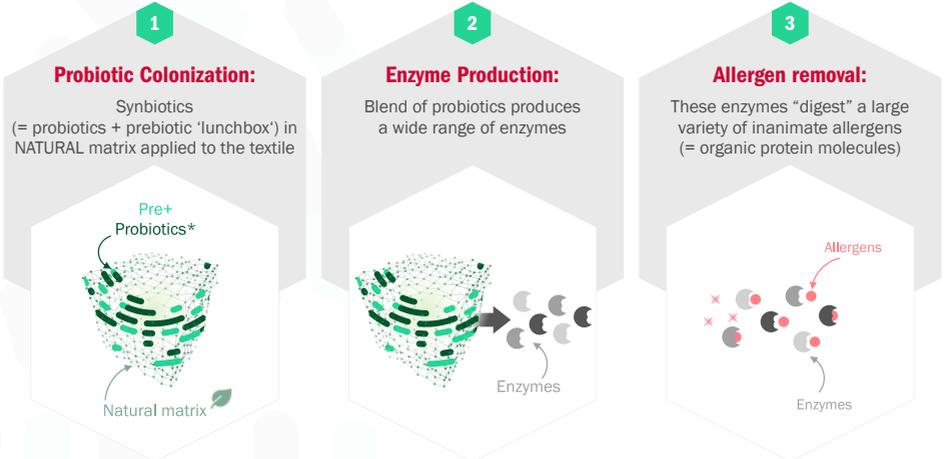
HeiQ Allergen* Tech provides a biotechnical solution for allergen reduction in home textiles such as fabrics for mattresses, mattress toppers, bed linen, pillow covers, but also carpets, rugs and upholstered furniture – whatever is in reach of dust mites and your beloved pets: your pillow, bed, sofa,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



Get inspired and learn more about our innovative technologies on:
www.heiq.com

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