

**CERAVIOLA<sup>®</sup>**

**THE ULTIMATE NATURAL PERFORMER**

Rising concern over  
global warming led to  
the demand for  
Environment-Friendly  
Materials

Covid-19 pandemic caused  
the demand for  
Antimicrobial Fibers and  
Coating Materials

Sophisticated social interest  
toward global warming raised  
the demand for  
Certified and Reliable  
Materials

CERAVIDA, The Ultimate Solution



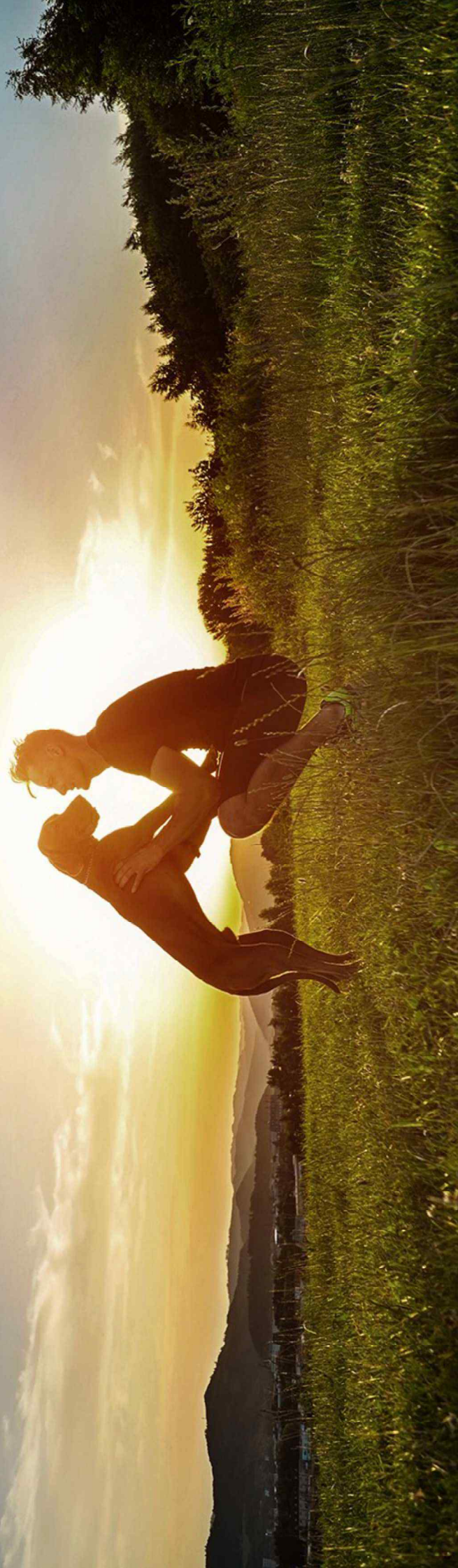
**Every ingredient comes from nature  
and dissolves into nature.**

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***From Nature to Nature,  
Ceravida Fresh.***



**Antimicrobial material.  
Harmless to humans, animals, and Earth.**



**Natural ingredients for sensitive skin.**





Get closer, free of smell.



# **CERAVIDA**

# **FRESH**

**- Natural Treatment Agent -**

# Natural Substance

## Harmless to Human and Environment Certified Sustainable Material

- No unnatural ingredients such heavy metals, SVHC, PFAS, Synthetic Binder, and VOC
- CO2 emission reducing
- Biodegradable, using natural adhesive

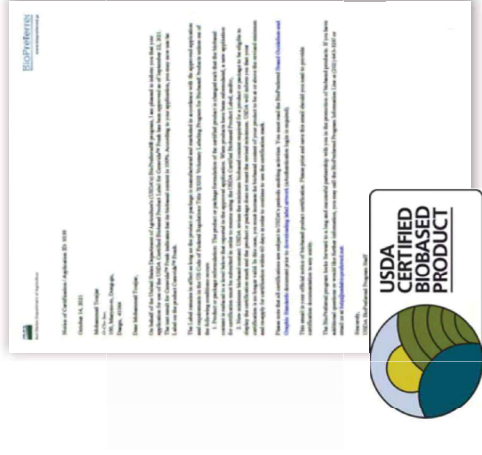
## Product Marketability & Potential

- Merchantable to US, the 30% of global Antimicrobial textile market
- Conforming to ESG solutions requested by textile industry
- Applicable to domestic and medical fibers, plastics, and much more
- Durable, lasting through 20 times washes



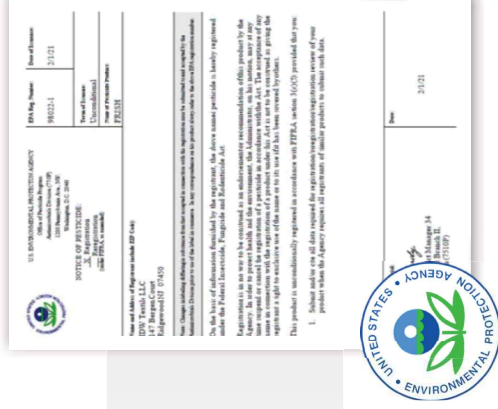
# World Renewed Product

USDA Certified



A product of 100% naturally  
derived substances that is safe  
for both human and environment

EPA Approved



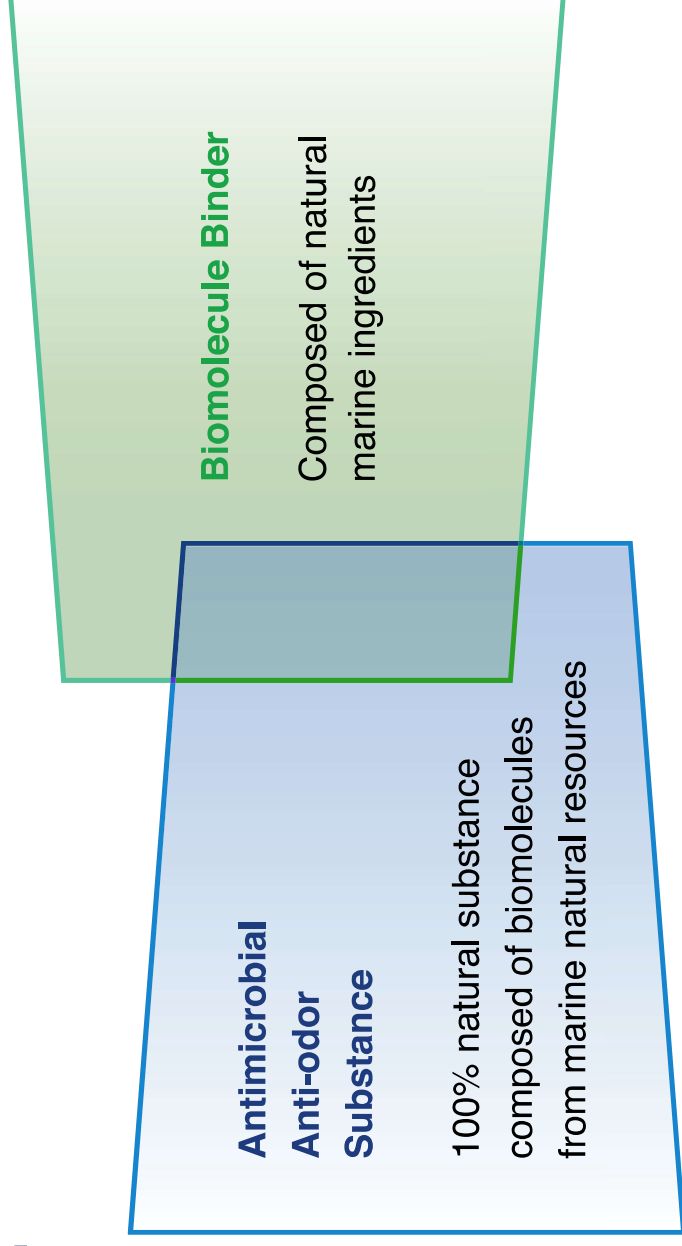
No limit of usage with  
natural material certification

OEKO-TEX Certified



The first naturally derived  
Antimicrobial agent  
registered on OEKO-TEX  
Antimicrobial active list.

# Product with Natural Binder




A unique product with substance and binders  
all coming from natural resources


# Ceravida Fresh Distinction




**Laundry Durability**  
More than 20 washes



**Deodorization**  
99% odor clearance



**Antimicrobial**  
99% bacteria sterilized



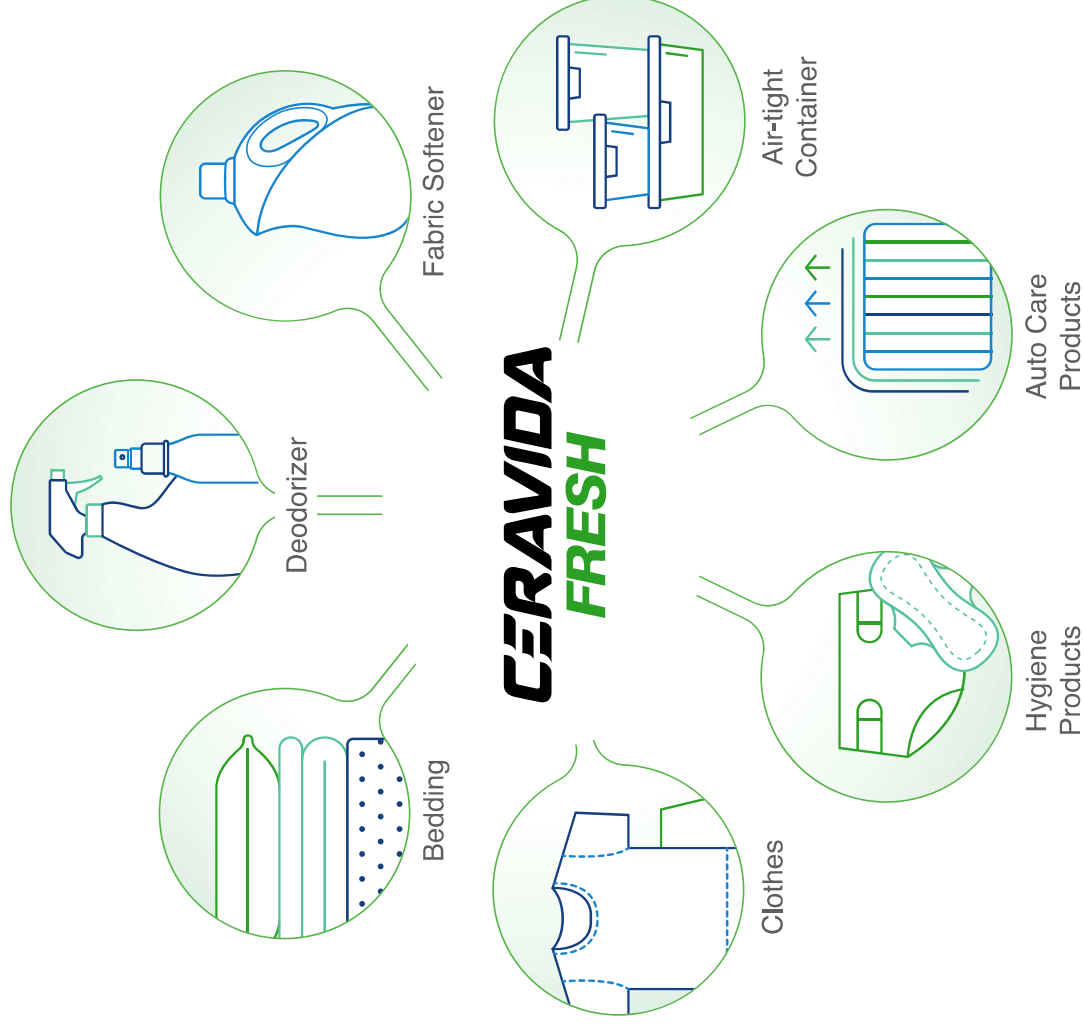
**Skin Friendly**  
No skin irritation

\* The information herein sourced from accredited testing agencies.

\* Test results is available upon request.



# Ceravida Fresh Application



**CERAVIDA**

**RECOVER**

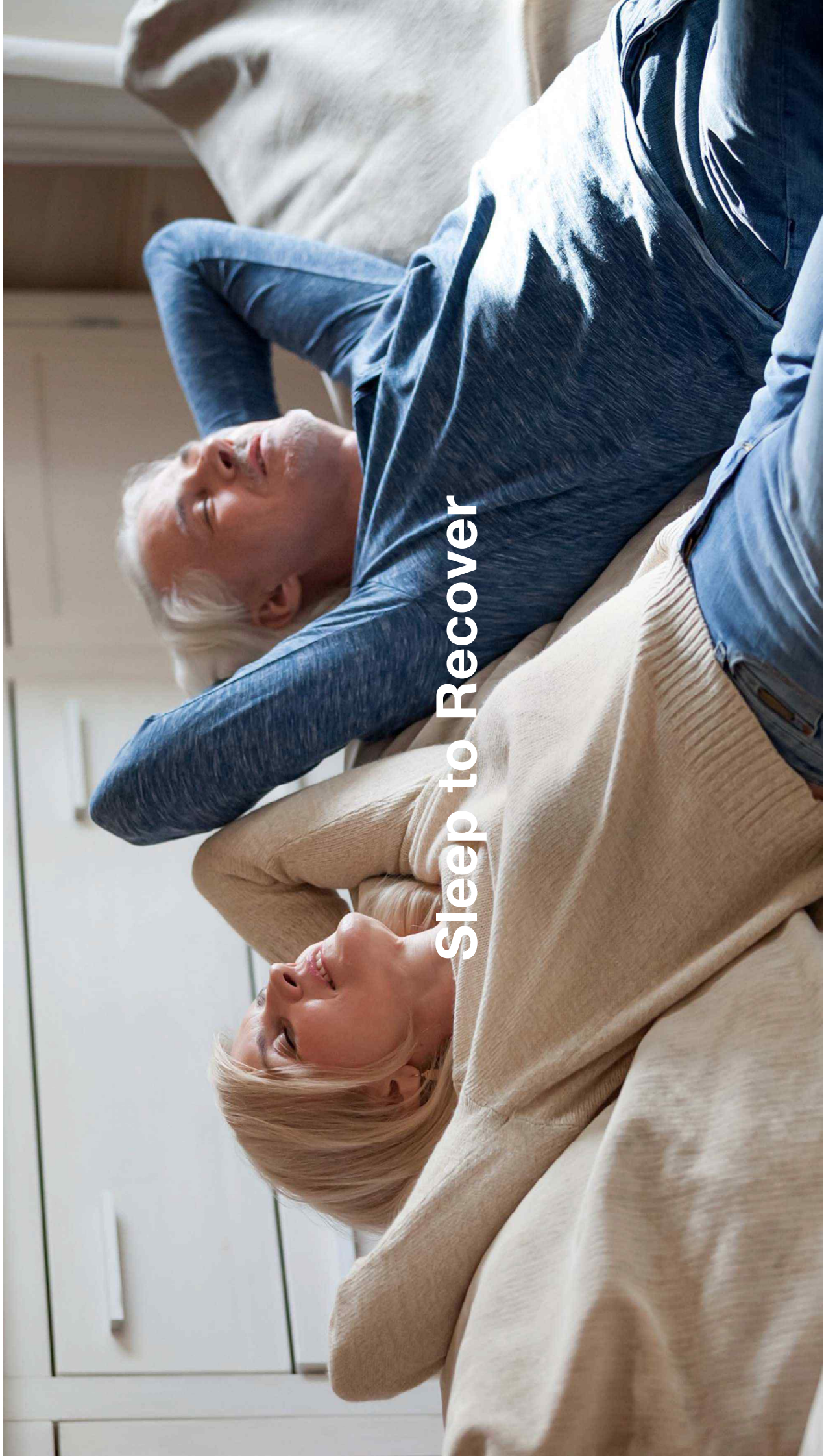
- Smart Fiber -



**Wear to Recover**



Sleep to Recover



# Ceravida Recover Distinction

**US FDA General Wellness  
registered and approved  
for sale yarn**



**Sleep quality enhance**  
sleep muscle tension reduction 5%



**Fatigue recovery**  
lactic acid reduction 30%



**Blood oxygen**  
blood oxygen up, and CO2 down



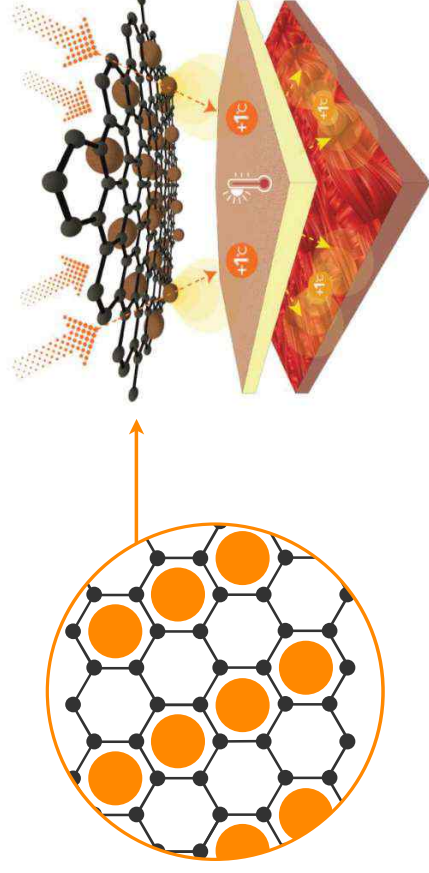
**Blood circulation**  
blood flow rate improved by 13%



**Body temperature**  
1°C more body temperature than regular fibers

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# Ceravida Recover Technology



## Ceravida Yarn

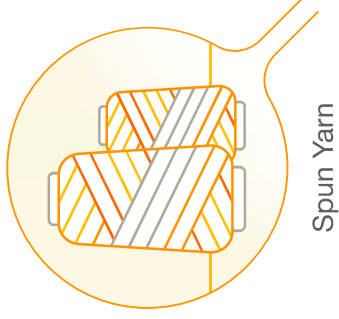
Body thermal regenerative ceramic + Thermal retention mineral

Unique yarn made with a natural mineral complex

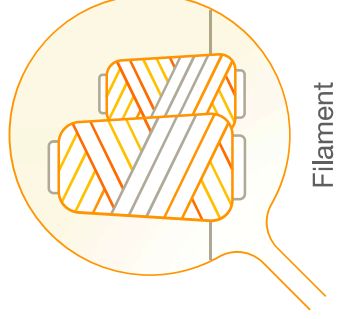
Patented in Korea, the United States, and EU



# Ceravida Recover Application

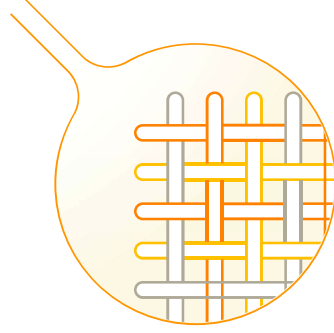


Spun Yarn

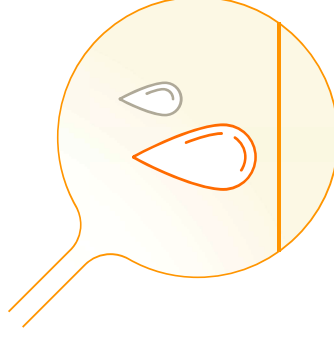


Filament

**CERAVIDA**  
**RECOVER**



Fiber Fill



Processing Agent

**CERAVIDA**

**CLIMATE**

- Smart Fiber -

**Control your Thermal Energy.**





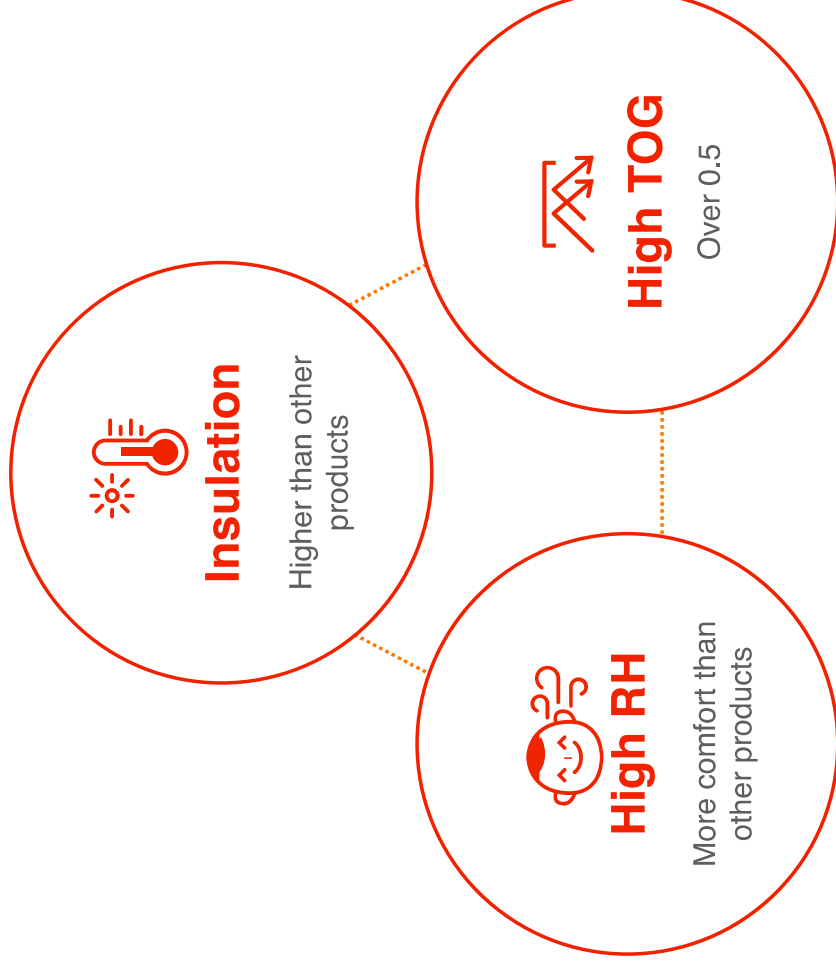
# Ceravida Climate HEAT

**HEAT**  
**Maximize heating / insulating with  
body thermal regenerative ceramic  
and thermal retention mineral**

- Converting far-infrared rays and human body wavelength into thermal wavelength
- Proprietary thermal and thermal textile technology
- 1°C increase in body temperature
- Keep warm with high TOG values



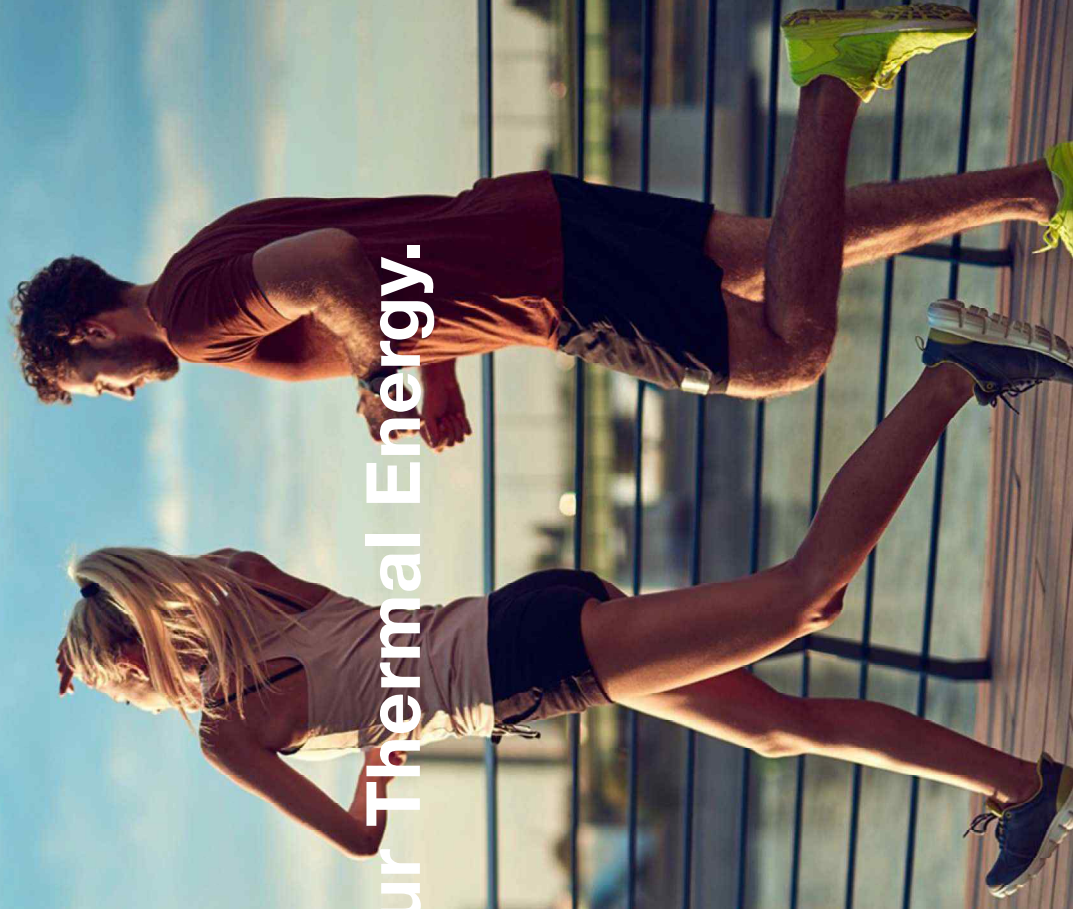
# Ceravida Climate HEAT



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Control your Thermal Energy.






# Ceravida Climate COOL

## COOL Cooling material incorporating heat conductive ceramics

- Technology extracting body heat to provide cooling sensation
- Applicable to ally types of fabrics
- High UV protection rate
- Quick absorption and drying of sweat and moisture

# CeraVida Climate COOL



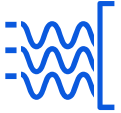
**Coolness**  
High Q-max value



**Fast Moisture Wicking**  
10% faster absorption



**UV Protection**  
98% UV protection maintained after 20 washes



**Quick Dry**  
10% faster drying

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**CERAVIDA<sup>®</sup>**

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