

#innovative
#creative
#responsible



organIQ seek

Ecological jeans finishing without compromises

LAB
102

**Blue veins
of CHT**

organIQ seek system

Bleaching with organIQ seek is possible in water bath application (e.g. low liquor technologies – LLT with liquor ratios down to 1:3) as well as in nebulization techniques/fog application. Due to this fact, a wide range of possible bleaching effects from flat to very high contrast is possible.

Additional benefits:

- Purely organic bleaching agent
- Easily biodegradable
- No damage of elastane
- Low usage amount
- Easy to handle
- No neutralization needed
- No dangerous good

organIQ seek

Purely organic bleaching agent for denim. It can be used in bath application as well as in nebulization machines.

organIQ seek PAL

Supporter product which guarantees the best bleaching performance of organIQ seek.



Process optimization

Bleaching with organIQ seek is easy, fast, and ecological at the same time. The process does not need any additional neutralization agent which is commonly used for chlorine or potassium permanganate bleaches.



Fog application

1. Desizing + Enzyme treatment

2. organIQ seek treatment in fog on wet fabric (60 – 70 % humidity)

organIQ seek PAL
30 % pickup, 15 min

organIQ seek
40 % pickup, 15 min

H₂O₂
30 % pickup, 15 min

Rinse, alkali rinse

3. Short rewash with peroxide

DENIMCOL NCD
15min at 60°C
rinse and dry

Water bath application

1. Desizing + Enzyme treatment

2. organIQ seek treatment in bath

organIQ seek PAL
10min at 35°C

Add in the same bath:

organIQ seek
10min at 35°C
Rinse, alkali rinse

3. Short rewash with peroxide

DENIMCOL NCD
15min at 60°C
rinse and dry

TEC-SUP Finish



1) 13,5 g/kg load of organIQ seek in fog



2) 13,5 g/kg load of organIQ seek in fog + water in LLT



Water bath application with low liquor technology



1,5 % of organIQ seek



Same effect with conventional methods would need:

30 ml/l hypochlorite bleach + neutralization with metabisulfite

Don't make nature suffer from fashionable effects

Heavy metal rich chemicals, among many industries also used in leather and textile industries, can persist and bioaccumulate in nature and find its way into water, crops, animals, and may harm human health!

Our organIQ products are free of any heavy metal and can replace the most harmful common chemicals in typical jeans treatment.



Lowest water consumption



Drastically reduced pollution of wastewater with toxic substances



Free from heavy metals, chlorine, potassium permanganate and AOX



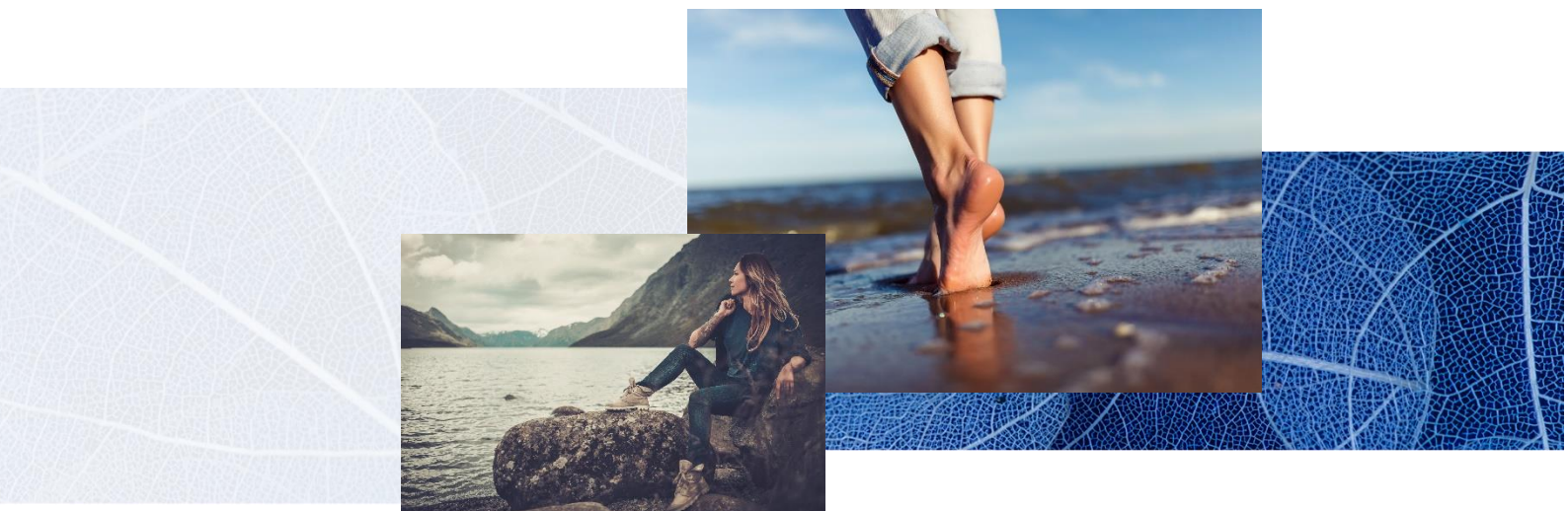
Complies with restricted chemical lists and thus fulfils the legal requirements



Without persistent components



Can replace pumice stones, chlorine bleaches and their neutralization





**Blue veins
of CHT**

LAB102

by CHT Germany GmbH
Bismarckstr. 102
72072 Tübingen · Deutschland

+49 7071 154-0
Lab102@cht.com

www.lab-102.com