Proviera®

Probiotics for Leather™

WE'RE MAKING LEATHER SAFER, MORE EFFICIENT, AND MORE SUSTAINABLE.

OUR PRODUCTS

PROVIERA

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Learn more about our products.

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HOW DOES USING PROVIERA MAKE THE WORLD A BETTER PLACE?

... for the Tannery?

... for the Manufacturer?

... for the Consumer?

Through the power of probiotics! Proviera's products contain biochemicals which are metabolites made from the controlled fermentation of natural ingredients with probiotic cultures. And because our probiotic bio-chemicals are all-natural, they are safer to handle, use fewer resources, and create less waste. The biochemicals derived from such formulations can be harnessed to perform the same jobs in tanneries as some synthetic chemicals do.

Some Background Information

TANNERIES USE CHEMICALS...

...lots and lots of chemicals...

- The chemicals used in tanning leather can add up to as much as 50% of the weight of the raw hides themselves, and many of these are synthetic chemicals made from petroleum
- A small percentage of these chemicals are combined with the hides and skins to convert them into leather, the rest are dumped in the water outflow.
- Wastewater treatment results in high amounts of sludge. Sludge containing high amounts of chemicals is costly to treat.
- To prevent rotting in raw hides biocides are used in large amounts. Discharges of biocides affect the efficiency of wastewater treatment plants.

WHAT CAN PROVIERA DO TO HELP?

Reduce the tannery's fossil fuel footprint by replacing chemicals manufactured from petroleum with biochemicals derived from probiotics.

Reduce greenhouse gas emissions by replacing the high energy usage of chemical reactors with low-energy fermentation.

Reduce Carbon Dioxide (CO2) emissions by 1.1 KG for every KG of chemicals replaced.

Reduce the amount of traditional chemicals in the water outflow which then lowers water treatment costs.

A Natural Bio-Reaction

Fermentation is a natural bio-reaction. As such, it doesn't require any additional or external sources of energy – meaning it also doesn't release greenhouse gas emissions.

Non-Toxic and Safe to Handle

Proviera's biochemicals are derived from probiotic fermentation and don't have any potential toxicological effects.

Manufactured Using Renewable Resources

Probiotic technology uses raw, natural materials that are both renewable and sustainable. They don't depend on industries like crude oil.

BENEFITS
OF USING PROVIERA

LEATHER QUALITY

- Proviera probiotics naturally prevent the growth of undesirable bacteria that can cause rot and putrefaction in hides and skins before tanning, which may affect the quality of the final leather articles.
- Leather quality improves in terms of uniformity, brighter and intense colors, and area yield.
- Proviera probiotics enhance the performance of chemicals, thus achieving better results with fewer chemicals.

ENVIRONMENT

- Making probiotic leather products takes 85%-95% less water than making synthetic chemicals.
- Probiotic manufacturing has a 60%-90% smaller carbon footprint than synthetic chemical manufacturing.
- Thousands of gallons of water are saved by eliminating repeated washes between tanning operations.

COST SAVINGS

- Simple product application
- Reduction of chemical purchases
- Lower effluent treatment costs
- Waste from hides and skins treated with Proviera products contains fewer chemicals and has a higher value. A by-product from tanneries is collagen, which can be recycled into many other industries, such as cosmetics, food, pharmaceuticals, pet toys, and others.
- Better hide sorting
- Less rejections

OUR PRODUCTS

ProSoak

Proviera® ProSoak® is an all-natural, environmentally friendly hide soak that improves leather quality and ensures higher leather yields. It is best used in main soaking, especially with fresh hides, and washing wet-blue/wetting back.

ProSpread

Proviera® ProSpread® is an all-natural, surfactant-free wetting and dispersing agent that disperses fat far better than traditional chemicals. It can also be used in pre-soaking, liming, retanning, fatliquoring, and dyeing.

ProDegreaze

Proviera® ProDegreaze® is an all-natural, environmentally friendly degreaser that can strip high fat hides and skins effortlessly, as well as degrease sheepskins.

ProDegreaze Plus

Proviera® ProDegreaze® Plus combines the effectiveness of a consortium of biochemicals derived from a controlled fermentation process using probiotic cultures and selected natural raw ingredients with a non-ionic surfactant that has excellent emulsifying properties.

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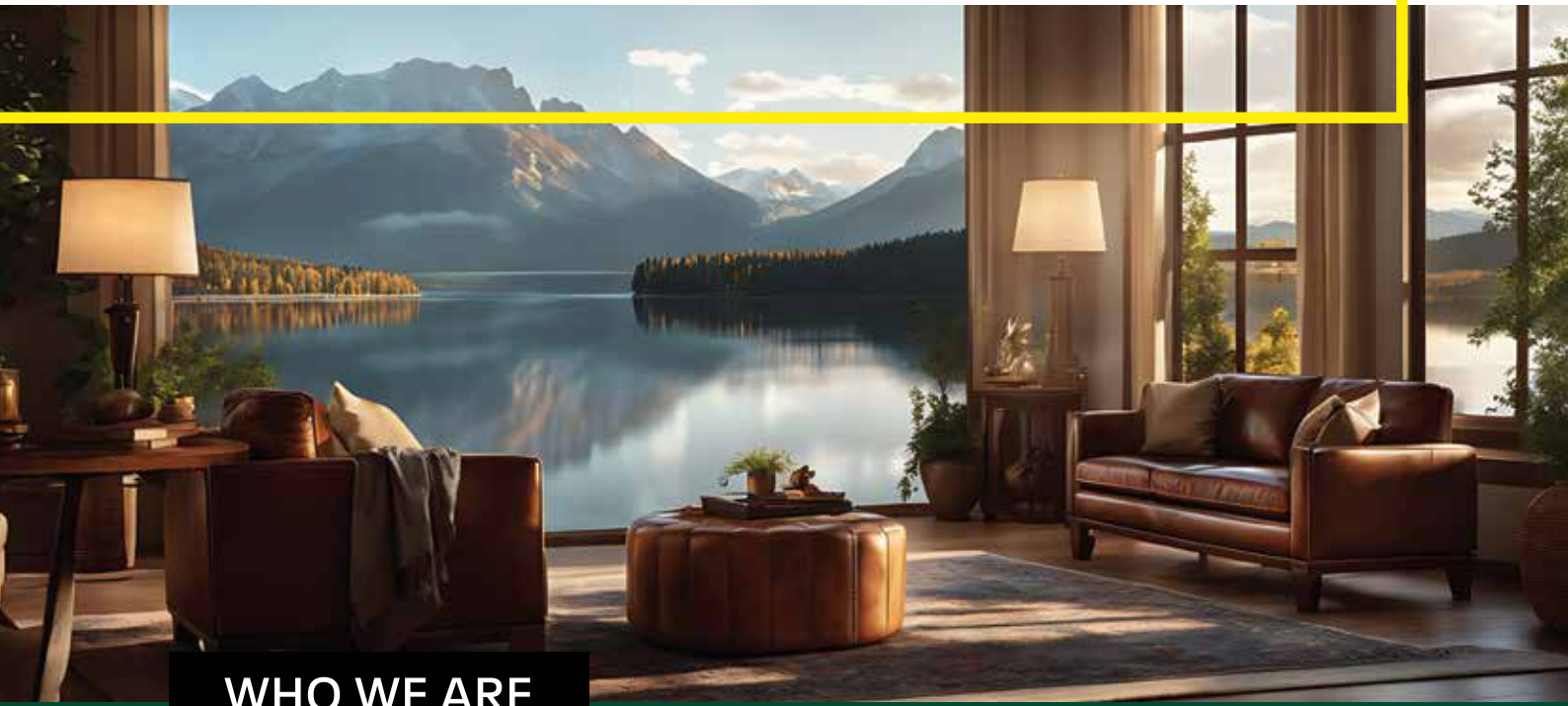
ALONG WITH OUR PARTNERS, WE'RE CHANGING THE WAY LEATHER IS MADE.



WHO WE ARE

Proviera® is committed to providing a full spectrum of probiotic and biochemical solutions for various Probiotics for Leather™ applications. Conceived through proprietary consortia technology, these products are designed to provide cutting-edge, superior performance, and cost-effect alternatives to traditional chemicals.

Learn more about our products.
Visit www.Proviera.com

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