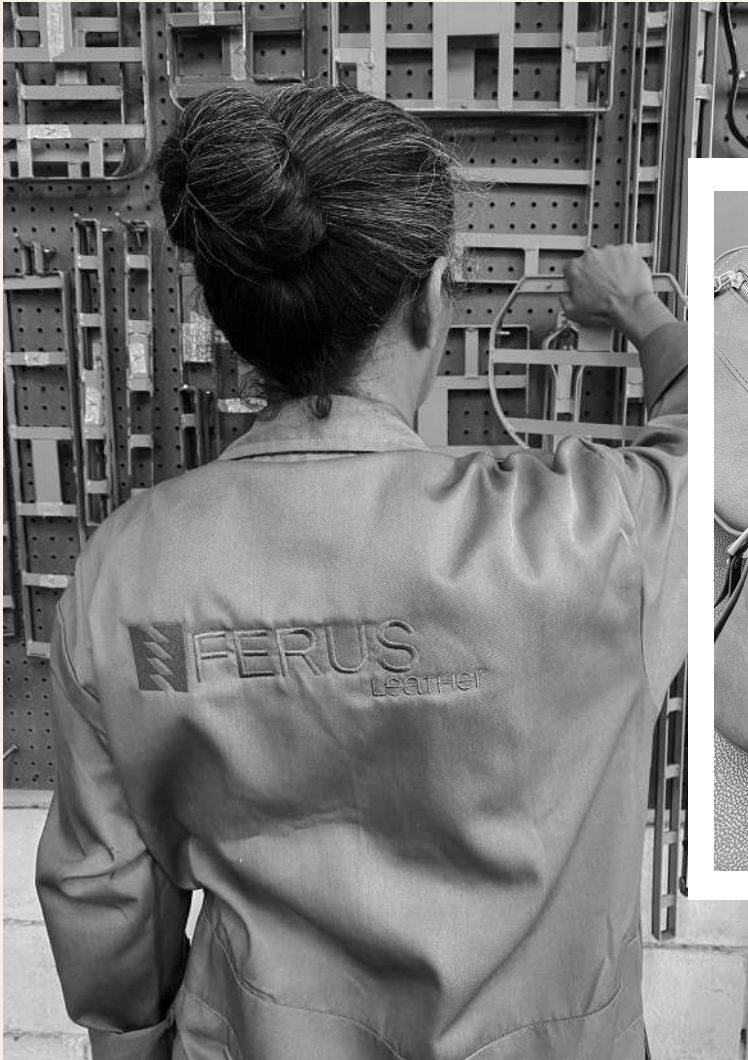




AvoLeather® is **PATENT PENDING**



2020 A YEAR OF GLOBAL CHALLENGES

Our atelier comprised by experienced artisans specialized in luxury leather goods is convinced that leather, already being a waste from the meat industry, is the ideal medium for manufacturing.

The global pandemic made us focus in 2 main challenges.

1.IMPORTANCE OF SUSTAINABILITY

Mother Nature has its ways of telling us we need to moderate our use of resources. During these difficult times, it is clear that the efficient and intelligent use of them is not only critical but necessary for the environment.



2. CLEAN AND HEALTH-PROMOTING SURFACES

In the post covid world we are convinced that consumers will demand to feel safe in their day to day interactions with surfaces, objects and other people.



**We have developed a new material that does not
compromise our planet and promotes
a healthier future for everyone...**



A genuine leather tanned with avocado peel, pulp and seed waste and engineered with antibacterial, antifungal and antiviral properties that promotes human and ecological health.

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Hides are a by-product of the meat industry.

AvoLeather® hides are selected from certified sustainable feed lots that comply with international regulations for animal well being.



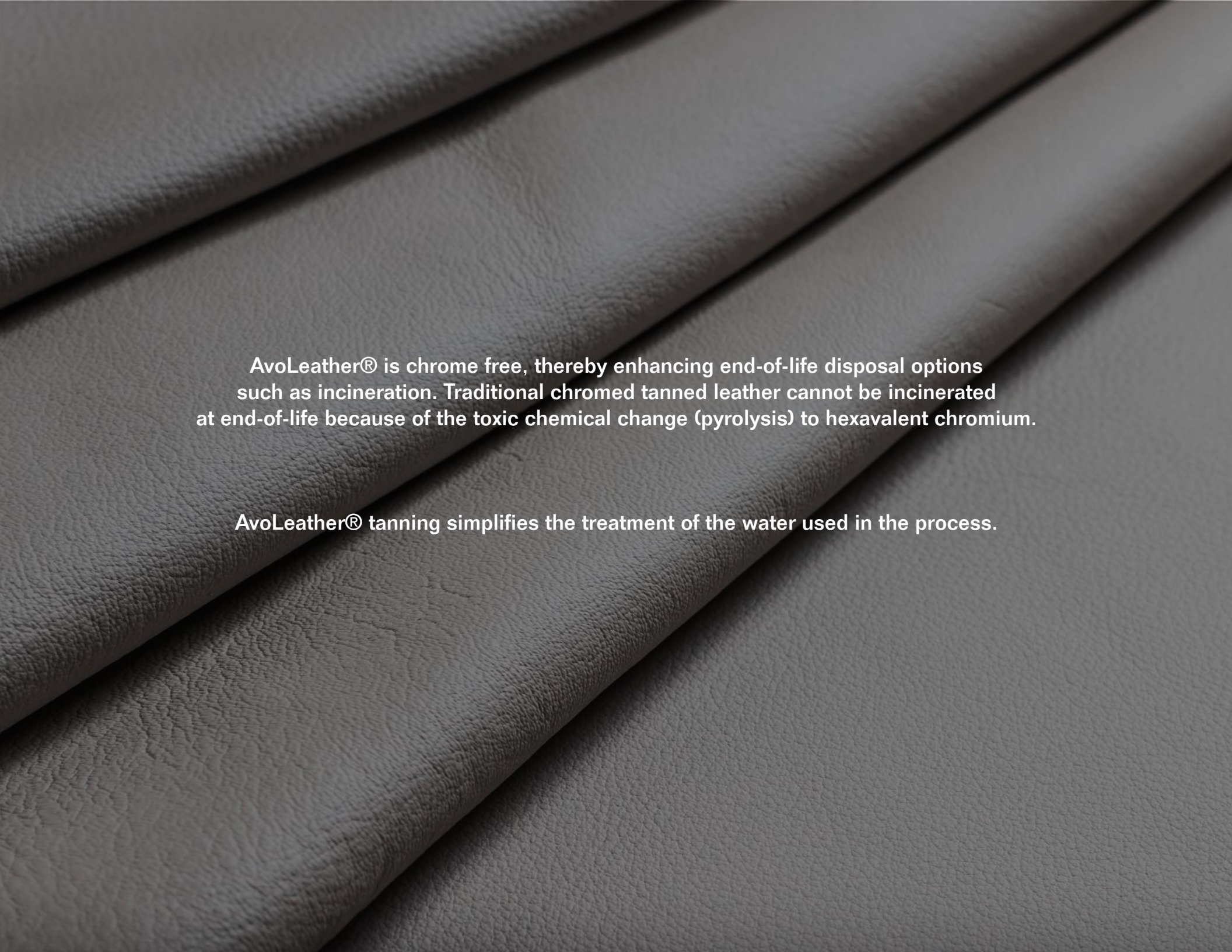
Natural vegetable tanning agents are extracted from the waste of “Guacamole” processing plants in a unique method. The waste from these packaging companies in the form of avocado pulp, seeds and skins are used to manufacture a tanning formulation.



The avocado oils are also used instead of synthetic oils during the fatliquoring process further improving the sustainability of the leather.

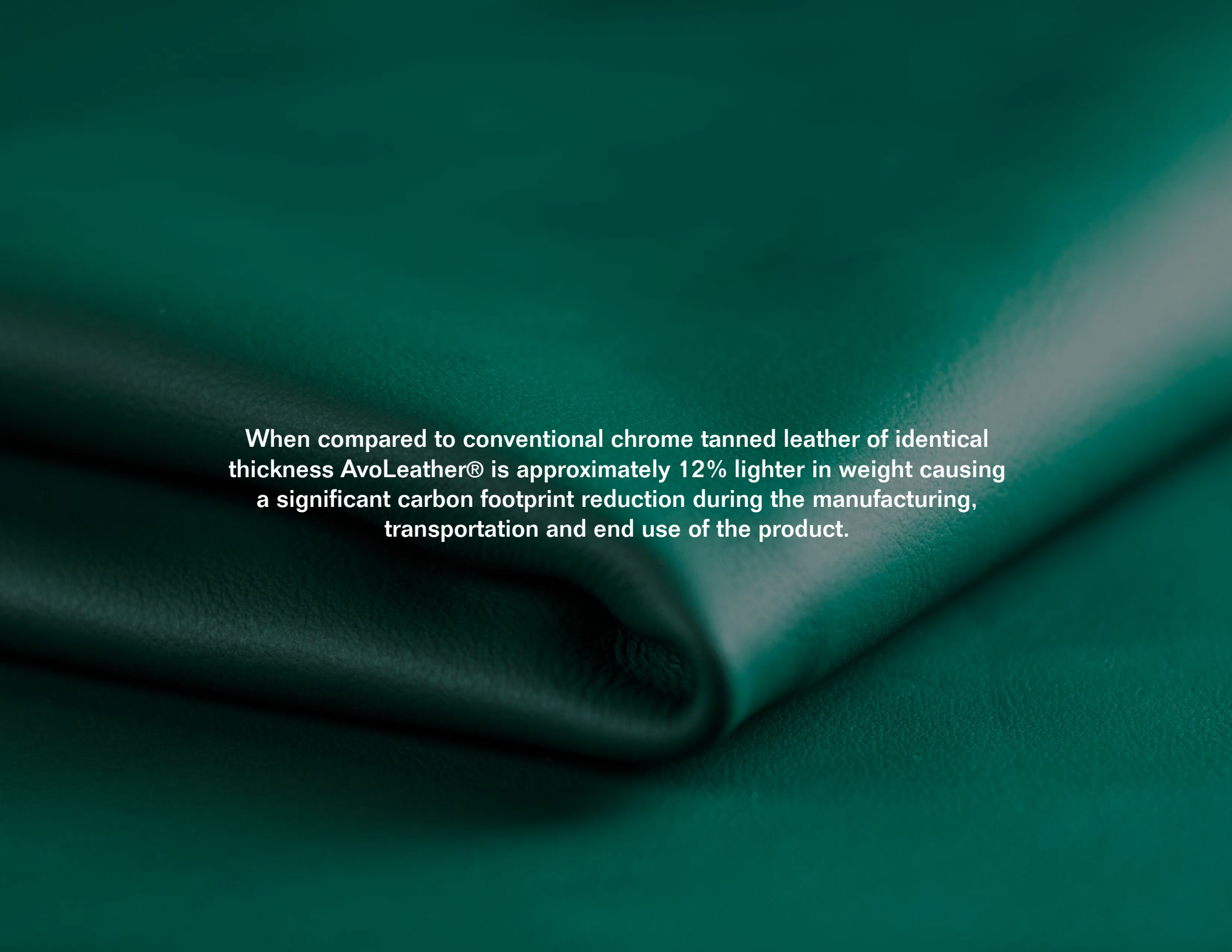


AvoLeather® could help save the handling and decomposition of 1,000 tons of avocado waste every month. This waste management currently discharges huge amounts of methane and carbon-dioxide to the atmosphere and requires landfill disposal.

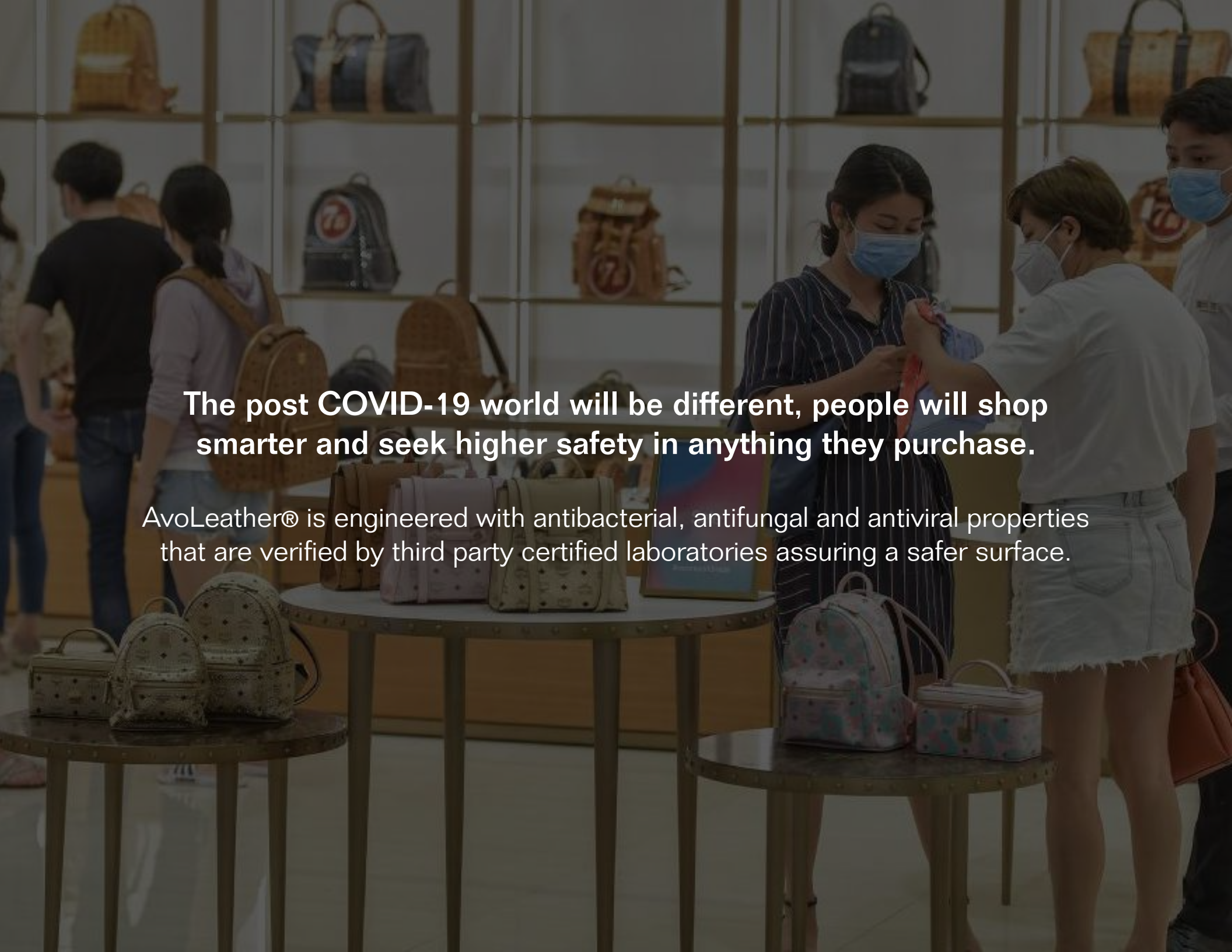


AvoLeather® is chrome free, thereby enhancing end-of-life disposal options such as incineration. Traditional chromed tanned leather cannot be incinerated at end-of-life because of the toxic chemical change (pyrolysis) to hexavalent chromium.

AvoLeather® tanning simplifies the treatment of the water used in the process.



When compared to conventional chrome tanned leather of identical thickness AvoLeather® is approximately 12% lighter in weight causing a significant carbon footprint reduction during the manufacturing, transportation and end use of the product.

A dimly lit retail store, likely a handbag boutique, with shelves in the background displaying various styles of handbags. In the foreground, three customers wearing face masks are gathered around a circular display table. One woman in a blue and white striped dress is looking at a small item held by another woman in a white t-shirt and denim skirt. A third person, partially visible on the right, is also wearing a mask. The table holds several handbags, including a large brown one, a purple one, and a beige one. A laptop is open on the table, displaying a colorful graphic. The overall atmosphere is quiet and focused on shopping.

The post COVID-19 world will be different, people will shop smarter and seek higher safety in anything they purchase.

AvoLeather® is engineered with antibacterial, antifungal and antiviral properties that are verified by third party certified laboratories assuring a safer surface.



JIS Z 2801 Antimicrobial Products-Test for Antimicrobial Activity and Efficacy by SGS Thailand Limited Laboratory Services

Tested Microorganism	The number of bacteria recovered from control sample at 24 hrs. Contact time (CFU/piece of samples)	The number of bacteria recovered from tested sample at 24 hrs. Contact time (CFU/piece of samples)	% Reduction
Staphylococcus Aureus ATCC 6538P	390.000 (5.6 log)	Less than 10 (<1.0 log)	>99.99
Escherichia Coli ATCC 8739	11,000,000(7.0 log)	Less than 10 (<1.0 log)	>99.99

*Full testing report available upon request.





ISO 22196 Measurement of Antibacterial Activity by Intertek Testing Services Laboratory

Name of Test Bacteria (Strain Number)	Staphylococcus aureus (ATCC 6538P)	Escherichia Coli (ATCC 8739)
Value of antimicrobial activity (R)	>4.75	>5.97
Reduction Rate (%)	>99.99	>99.99

*Full testing report available upon request.

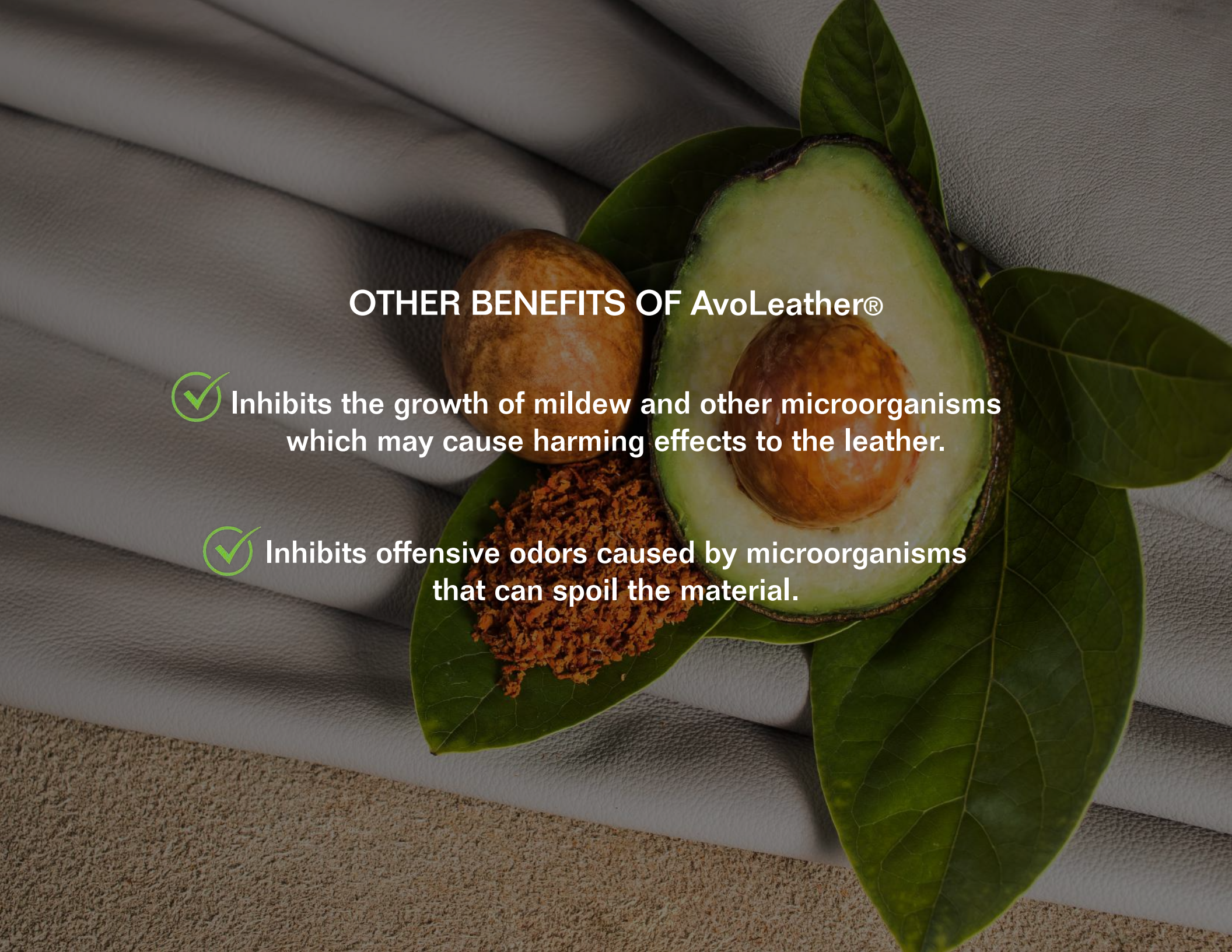


ISO-21702 Antiviral Activity Influenza A Virus H3N2
by Japan Textile Products Quality and Technology Center

	Infectivity titer PFU/cm2 After 24hr contact	Antiviral Activity R
Control Leather	3.14	NA
AvoLeather®	<0.80	>2.3 Log Scale Equivalent to 99.9%

*Full testing report available upon request.





OTHER BENEFITS OF AvoLeather®

- ✓ Inhibits the growth of mildew and other microorganisms which may cause harming effects to the leather.
- ✓ Inhibits offensive odors caused by microorganisms that can spoil the material.

A close-up photograph of two leather handbags, one in a vibrant green and the other in a bright yellow. Both bags are rectangular with rounded corners and feature a flap closure. They are equipped with a silver-toned metal chain strap. The bags are positioned side-by-side on a light-colored, reflective surface. The lighting is soft, highlighting the texture of the leather and the metallic sheen of the chains.

AvoLeather® on a finished product







**Together with LVMH we can make AvoLeather®
the new global standard in sustainability and surface safety,
transforming FERUS into a world leading manufacturer and supplier
for luxury leather goods.**

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