

tersano<sup>®</sup>



*Changing The Way The World **Cleans***

ecofy<sup>™</sup>

# SAO®

tersano manufactures and distributes devices that turn ordinary tap water into **Stabilised Aqueous Ozone (SAO®)** on-site and on-demand: an all-in-one cleaner, sanitiser, and deodoriser that kills up to 99.999% of germs without harsh chemicals.

tersano's technologies create SAO by infusing ozone into water. Patented stabilisation extends the shelf-life of regular aqueous ozone to up to **24 hours as a sanitiser** and up to **6 days as a cleaner**.

With no harsh chemicals and 0-0-0 SDS, SAO creates a safer and more sustainable environment for staff and guests, while reducing costs on all the chemicals that no longer need to be purchased.

## GET CLEANING DOWN TO A SCIENCE



SAO attacks organic matter, breaking it into smaller particles and suspending it in the solution. This reaction is called **oxidisation**, and it's what makes SAO powerful enough to kill up to 99.999% of germs. SAO exceeds **Green Seal Standards (GS-37 and GS-53)** as an industrial cleaner.

When applied to surfaces, SAO (ozone in a stabilised, aqueous form), kills the germs that can also cause odours. When ozone ( $O_3$ ) molecules make contact with the cell wall of bacteria and viruses, tiny holes are created, a reaction called oxidation. Oxidation kills germs.

When the job is done, the solution reverts to ordinary water and oxygen with zero impact on our planet and waterways.



# TECHNOLOGIES

## lotus<sup>®</sup> PRO

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The lotus PRO turns ordinary tap water into SAO on-site and on-demand, easily fitting into all cleaners' closets. With plug-and-play functionality, staff flip a switch, and the high-capacity dispenser produces the solution in large volumes for filling spray bottles, mop buckets, auto scrubbers, and carpet extractors.



## iClean<sup>®</sup> PRO

### iClean<sup>®</sup> PRO

The iClean PRO uses electrolytic technology to turn water into SAO on demand. Staff fill the 350ml reservoir with cold tap water, and the device turns it into SAO when sprayed. The iClean PRO makes cleaning, sanitising, and deodorising medium-to-large spaces efficient, simple, and safe for staff, guests, and the planet.



## iClean<sup>®</sup> mini

### iClean<sup>®</sup> mini

Like the iClean PRO, the iClean mini uses the same electrolytic cell to turn ordinary tap water into SAO when sprayed. With a 150ml reservoir, the iClean mini is smaller than the PRO but harnesses equivalent cleaning, sanitising, and deodorising power.





# SAO® PATHOGEN SUMMARY

Independent Laboratory Testing Sponsored By Tersano, Inc.

MICRO-ORGANISM	GROUP	STANDARD	REDUCTION	TIME
<b>CLAIM: For use as a food-contact sanitizer on hard, non-porous surfaces. Testing conducted at Microchem Laboratory, Round Rock, TX 12/15/17</b>				
<i>Escherichia coli</i> (E.coli) — ATCC 11 229	Bacteria	AOAC 960.09	> 99.999%	30 secs
<i>Staphylococcus aureus</i> (Staph) — ATCC 6 538	Bacteria	AOAC 960.09	> 99.999%	30 secs
<b>CLAIM: For use as a non-food-contact sanitizer on hard, non-porous surfaces. Testing conducted at MycoScience Labs, Wilmington, CT 4/13/17</b>				
<i>Listeria monocytogenes</i> — ATCC 19 115	Bacteria	AOAC 960.09	> 99.999%	30 secs
<b>CLAIM: For use as a non-food-contact sanitizer on hard, non-porous surfaces. Testing conducted at Lapuck Labs, Canton, MA 3/17/16 and 2/26/16.</b>				
<i>Escherichia coli</i> (E.coli) — ATCC 11 229	Bacteria	ASTM E1153	> 99.9%	30 secs
<i>Salmonella typhimurium</i> (Salmonella) — ATCC 14 028	Bacteria	ASTM E1153	> 99.9%	30 secs
<b>CLAIM: For use as a non-food-contact sanitizer on hard, non-porous surfaces. Testing conducted at Lapuck Labs, Canton, MA 4/4/17.</b>				
<i>Enterococcus hirae</i> — ATCC 10 541	Bacteria	BS EN 13697:2015	> 99.99%	5 mins
<i>Escherichia coli</i> (E. coli) — ATCC 10 536	Bacteria	BS EN 13697:2015	> 99.99%	5 mins
<i>Pseudomonas aeruginosa</i> — ATCC 15 442	Bacteria	BS EN 13697:2015	> 99.99%	5 mins
<i>Staphylococcus aureus</i> (Staph) — ATCC 6 538	Bacteria	BS EN 13697:2015	> 99.99%	5 mins
<i>Candida albicans</i> — ATCC 10 231	Yeast	BS EN 13697:2015	> 99.9%	15 mins
<i>Aspergillus brasiliensis</i> (A. brasiliensis) — ATCC 16 404 formerly <i>Aspergillus niger</i> (A. niger)	Mould	BS EN 13697:2015	> 99.9%	15 mins
<b>CLAIM: For use as a food-contact sanitizer on hard, non-porous surfaces. Testing conducted at EMSL CANADA Inc., Mississauga, ON 12/22/20.</b>				
<i>Enterococcus hirae</i> — ATCC 10 541	Bacteria	EN 1276:2019	> 99.999%	1 min
<i>Escherichia coli</i> (E. coli) — ATCC 10 536	Bacteria	EN 1276:2019	> 99.999%	1 min
<i>Pseudomonas aeruginosa</i> — ATCC 15 442	Bacteria	EN 1276:2019	> 99.999%	1 min
<i>Staphylococcus aureus</i> (Staph) — ATCC 6 538	Bacteria	EN 1276:2019	> 99.999%	1 min
<b>CLAIM: For use as a sanitizer on hard, non-porous, clean (non-soiled) surfaces. Testing conducted at EMSL CANADA Inc., Mississauga, ON 12/09/20.</b>				
<i>Pseudomonas aeruginosa</i> — ATCC 27 853	Bacteria	EN 1040	> 99.99999%	5 mins
<i>Staphylococcus aureus</i> (Staph) — ATCC 6 538	Bacteria	EN 1040	> 99.99999%	5 mins

**NOTE:** All standard protocols are modified for the in situ generation of Stabilized Aqueous Ozone. BS EN 13697:2015, & EN 1276 standards were done under clean condition protocol. \*Test of Aqueous Ozone.

Tested to meet or exceed TUV, UL and CSA standards. Tersano's SAO® is created by a dispenser regulated as a pesticidal device manufactured at EPA Establishment No. 089093-CAN-001.

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# tersano®

## Let's Get To Work!

To learn more about simple, safe, sustainable cleaning with tersano's technologies, please contact Ecofy today:



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