

TEVAN

PANOX[®]

DISINFECTANTS

*Simplify
your
protocol:*

✓ 1 Product

✓ 1 Reaction time



✓ 1 Method



Future-proof

Tevan PANOX disinfectants meet all the requirements for a biocide of the future. It is a peracetic acid based biocide that consists of seven related products, ready to battle against microorganisms.

With the Panox product family, Tevan has a strong alternative to the rejected products on the European biocide market:

- ✓ Responsible working with an approved biocide
(Ready-to-use product is not classified for physical hazard).
- ✓ Shelf life up to 24 months thanks to stabilization techniques.
- ✓ Fully understand what the product can do through proven effectiveness tests.
- ✓ A product with continuity for the next 10 years.
- ✓ The entire European Union can be approached as a working area.
- ✓ Working within the framework of the law.



Authorised, certified & validated

The Tevan PANOX productfamily is authorised within the entire European Union, certified for Halal that food areas can be safely disinfected without the use of alcohol or chlorine products and validated to be safe for use in drinking water systems.



EU-0032875-0000

Approved by the ECHA (European Chemicals Agency) and authorised throughout the European Union until 30 June 2035.



Halal 1051050729

HQC (Halal Quality Control) approved the manufacturing of Tevan disinfection products according to Halal standards.



Kiwa-ATA K83315

Panox, Panox 1816 and Panox 300 comply with the Regulation on materials and chemicals in drinking and hot tap water supplies.

Product types (PT)

Biocides are divided into 4 main groups, namely disinfectants, preservatives, pest control agents and other biocides.

The Panox product family falls within the main group of disinfectants. Within this group there are five product types: PT01, PT02, PT03, PT04 and PT05.

Proven Effectiveness

The legal instructions for use specify which product applications the biocide may be used for and which microorganisms it can kill.

Extensive testing has proven the Panox productfamily effective for disinfectant product types PT02, PT03 and PT04.

PT02 Disinfectants and algacides not intended for direct application to humans or animals

PT03 Veterinary hygiene

PT04 Food and feed area

PT02

PT03

PT04

Applications

Within PT02, PT03 and PT04 the Tevan PANOX productfamily can be used for the following 7 applications:

APPLICATION #1

Disinfection of hard surfaces in hospitals and other healthcare facilities.

APPLICATION #2

Disinfection of hard surfaces in industry and laboratories.

APPLICATION #3

Disinfection of hard surfaces in areas other than hospitals and healthcare facilities where people stay.

APPLICATION #4

Disinfection of surfaces in swimming pools.

APPLICATION #5

Disinfection of surfaces in animal accommodations and adjacent rooms.

APPLICATION #6

Disinfection of surfaces in the food industry.

APPLICATION #7

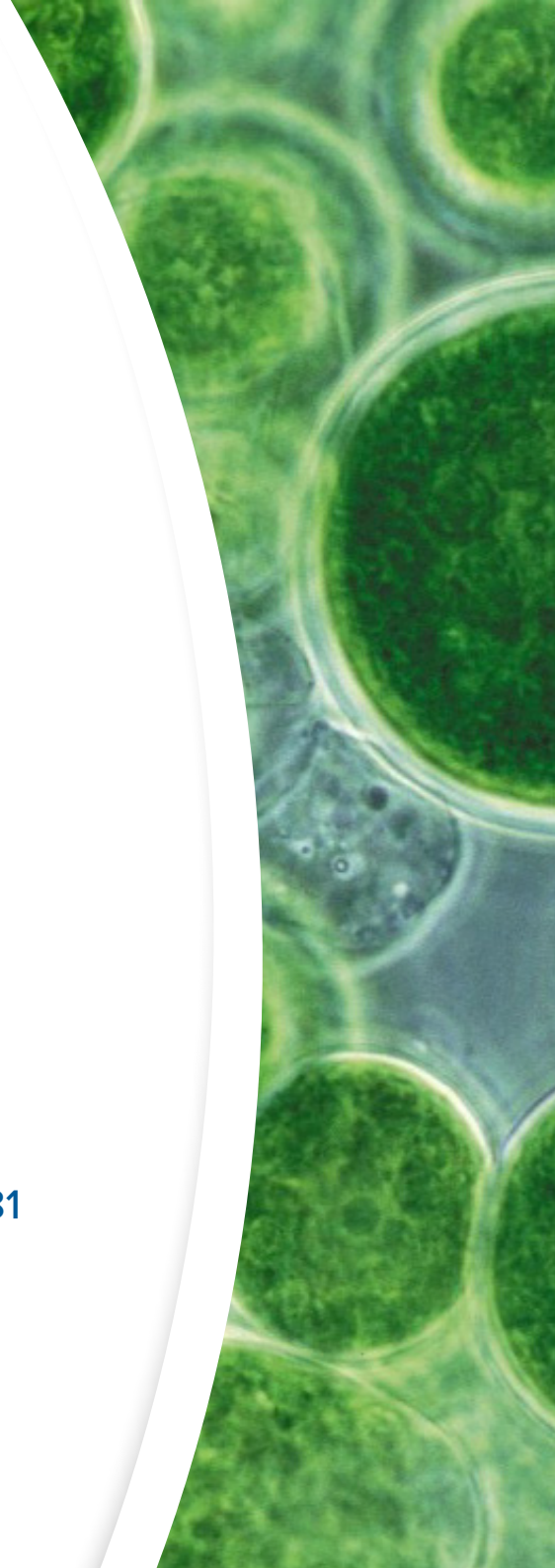
Disinfection of internal surfaces of installations that come into contact with water (drinking water systems for humans and animals and process water).



Efficacy tests

The Tevan PANOX product family has been tested against the following types of micro-organisms within the product types PT02, PT03 and PT04. The included PDF below contains a list of adequate scientifically proven tests for claims according to the BPR guidelines.

Microorganism	Test according to:
Bacteria	EN 1276 (superceeded by EN 13727), EN 1656, EN13623, EN 13697, EN13727, EN14349, EN16437, NF T72 281
Bacteria spores	EN 13704
Fungi	EN 1657, EN 13624, EN 13697, EN 16438, NF T72 281
Mycobacteria	EN 14204, EN 14348, NF T72 281
Virussen	EN 14476:2013 + A1:2015, EN14476:2015, EN14675, NF T72 281
Yeast	EN 1650, EN 1657, EN 13624, EN 13697, EN 16438, NF T72 281



PT02

Disinfectants and algaecides not intended for direct application to humans or animals

	Test organism	Norm	Required Log reduction	Concentration %	Exposure time	Result Log reduction
<i>Claims</i>	<i>Type organisms</i>	<i>Test name</i>	<i>Reference</i>	<i>Dosage</i>	<i>Contact</i>	<i>Germicidal activity</i>
Bacteria	Enterococcus hirae	EN 13697 surfacetest PT02	>4	1,0	5 min.	▼ 6,7
	Enterococcus hirae	EN 13727 suspensiontest PT02	>5	1,0	5 min.	▼ 5,38
	Enterococcus hirae	NF T72 281 room disinfection PT02	>5	10,582	15 + 90 min.	▼ 6,43
	Escherichia coli	EN 13697 surfacetest PT02	>4	1,0	5 min.	▼ 6,69
	Escherichia coli	NF T72 281 room disinfection PT02	>5	10,582	15 + 90 min.	▼ 6,74
	Pseudomonas aeruginosa	EN 13697 surfacetest PT02	>4	1,0	5 min.	▼ 6,79
	Pseudomonas aeruginosa	EN 13727 suspensiontest PT02	>5	1,0	5 min.	▼ 5,44
	Pseudomonas aeruginosa	NF T72 281 room disinfection PT02	>5	10,582	15 + 90 min.	▼ 6,41
	Staphylococcus aureus	EN 13697 surfacetest PT02	>4	1,0	5 min.	▼ 6,79
	Staphylococcus aureus	EN 13727 suspensiontest PT02	>5	1,0	5 min.	▼ 5,35
	Staphylococcus aureus	NF T72 281 room disinfection PT02	>5	10,582	15 + 90 min.	▼ 6,62
Fungi	Aspergillus brasiliensis	EN 13624 suspensiontest PT02	>4	4,0	5 min.	▼ 4,44
	Aspergillus brasiliensis	EN 13697 surfacetest PT02	>3	4,5	5 min.	▼ 6,06
	Aspergillus brasiliensis	NF T72 281 room disinfection PT02	>4	10,582	15 + 90 min.	▼ 6,53
Mycobacteria	Mycobacterium avium	EN 14348 micobact PT02	>4	7,0	5 min.	▼ 6,26
	Mycobacterium avium	NF T72 281 room disinfection PT02	>4	10,582	15 + 90 min.	▼ 6,07
	Mycobacterium terrae	EN 14348 micobact PT02	>4	6,0	15 min.	▼ 6,51
	Mycobacterium terrae	EN 14348 micobact PT02	>4	7,0	5 min.	▼ 4,74
	Mycobacterium terrae	NF T72 281 room disinfection PT02	>4	10,582	15 + 90 min.	▼ 6,05
	Tuberculocidal	NF T72 281 Room disinfection PT02	>4	10,582	15 + 90 min.	▼ 6,05
Viruses	Adenovirus Type 5 (ATCC VR-5)	EN 14476: 2013+A1: 2015 suspensiontest PT02 (virus)	>4	1,0	5 min.	▼ 5,69
	Adenovirus Type 5 (ATCC VR-5)	NF T72 281 carrier test room PT02 (virus)	>4	10,582	15 + 90 min.	▼ 5,69
	Murine norovirus (Berlin 06/06/DE Isolate S99)	EN 14476: 2013+A1: 2015 suspensiontest PT02 (virus)	>4	1,0	5 min.	▼ 4,13
	Murine norovirus (Berlin 06/06/DE Isolate S99)	NF T72 281 carrier test room PT02 (virus)	>4	10,582	15 + 90 min.	▼ 5,44
	Poliovirus Type 1	EN 14476 suspensiontest PT02 (virus)	>4	6	5 min.	▼ 4,1
Yeast	Candida albicans	EN 13624 suspensiontest PT02	>4	1,0	5 min.	▼ 4,29
	Candida albicans	EN 13697 surfacetest PT02	>3	2,0	5 min.	▼ 5,65
	Candida albicans	NF T72 281 room disinfection PT02	>4	10,582	15 + 90 min.	▼ 5,31

PT03

Veterinary hygiene

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	Test organism	Norm	Required Log reduction	Concentration %	Exposure time	Result Log reduction
<i>Claims</i>	<i>Type organisms</i>	<i>Test name</i>	<i>Reference</i>	<i>Dosage</i>	<i>Contact</i>	<i>Germicidal activity</i>
Bacteria	Enterococcus hirae	EN 14349 surfacetest PT03	>4	2,0	5 min.	▼ 5,63
	Enterococcus hirae	EN 16437 surfacetest PT03 Porous	>4	6,0	15 min.	▼ 5,01
	Enterococcus hirae	EN 1656 suspensiontest PT03	>4	2,0	5 min.	▼ 5,23
	Proteus hauseri (vulgaris)	EN 14349 surfacetest PT03	>4	2,0	5 min.	▼ 4,85
	Proteus hauseri (vulgaris)	EN 16437 surfacetest PT03 Porous	>4	4,0	5 min.	▼ 4,98
	Proteus hauseri (vulgaris)	EN 1656 suspensiontest PT03	>4	2,0	5 min.	▼ 5,34
	Pseudomonas aeruginosa	EN 14349 surfacetest PT03	>4	2,0	5 min.	▼ 5,07
	Pseudomonas aeruginosa	EN 16437 surfacetest PT03	>4	2,0	5 min.	▼ 5,8
	Pseudomonas aeruginosa	EN 16437 surfacetest PT03 Porous	>4	6,0	5 min.	▼ 4,92
	Pseudomonas aeruginosa	EN 1656 suspensiontest PT03	>4	2,0	5 min.	▼ 5,29
	Staphylococcus aureus	EN 14349 surfacetest PT03	>4	2,0	5 min.	▼ 5,62
	Staphylococcus aureus	EN 16437 surfacetest PT03 Porous	>4	6,0	15 min.	▼ 4,37
	Staphylococcus aureus	EN 1656 suspensiontest PT03	>4	2,0	5 min.	▼ 5,37
Viruses	Bovine enterovirus type 1 (ECBO virus LCR-4)	EN 14675 suspensiontest PT03 (virus)	>4	0,2	30 min.	▼ 4,25
Yeast	Candida albicans	EN 16438 surfacetest PT03	>4	2,0	5 min.	▼ 4,26
	Candida albicans	EN 1657 suspensiontest PT03	>4	2,0	5 min.	▼ 4,54


PT04

Food and feed area

	Test organism	Norm	Required Log reduction	Concentration %	Exposure time	Result Log reduction
<i>Claims</i>	<i>Type organisms</i>	<i>Test name</i>	<i>Reference</i>	<i>Dosage</i>	<i>Contact</i>	<i>Germicidal activity</i>
Bacteria	Enterococcus hirae	EN 13697 surfacetest PT04	>4	1,0	5 min.	▼ 6,7
	Escherichia coli	EN 13697 surfacetest PT04	>4	1,0	5 min.	▼ 6,69
	Legionella pneumophila	EN 13623 suspensiontest legionella PT04	>5	0,88	5 min.	▼ 5,17
	Pseudomonas aeruginosa	EN 13697 surfacetest PT04	>4	1,0	5 min.	▼ 6,79
	Staphylococcus aureus	EN 13697 surfacetest PT04	>4	1,0	5 min.	▼ 6,79
Bacteria spores	Bacillus cereus (spores)	EN 13704 suspensiontest PT04	>3	2,0	60 min.	▼ 3,4
	Bacillus subtilis (spores)	EN 13704 suspensiontest PT04	>3	2,0	60 min.	▼ 3,5
Fungi	Aspergillus brasiliensis	EN 13697 surfacetest PT04	>3	4,5	5 min.	▼ 6,06
Yeast	Candida albicans	EN 13697 surfacetest PT04	>3	2,0	5 min.	▼ 5,65

Combating microorganisms

The legal instructions for use of a biocide specify for which product application the biocide may be used to kill which microorganisms.

PRODUCT	PT02	PT03	PT04
PANOX 47,25 % (w/w) Waterstofperoxide 1,7 % (w/w) Perazijnzuur	GEBRUIK #1, #2, #3 & #4: Bacteriën, gisten, mycobacteriën, virussen & schimmels	GEBRUIK #5: Bacteriën, gisten & mycobacteriën	GEBRUIK #6 & #7: Bacteriën, gisten, mycobacteriën, virussen, schimmels & legionella
PANOX 1816 15,75 % (w/w) Waterstofperoxide 0,5667 % (w/w) Perazijnzuur	GEBRUIK #1, #2, #3 & #4: Bacteriën, gisten, mycobacteriën, virussen & schimmels	GEBRUIK #5: Bacteriën, gisten & mycobacteriën	GEBRUIK #6 & #7: Bacteriën, gisten, mycobacteriën, virussen, schimmels & legionella
PANOX 500 5 % (w/w) Waterstofperoxide 0,1799 % (w/w) Perazijnzuur	GEBRUIK #1, #2, #3 & #4: Bacteriën, gisten, mycobacteriën, virussen & schimmels		GEBRUIK #6 & #7: Bacteriën, gisten, mycobacteriën, virussen & schimmels

Combating micro organisms

Through extensive testing, the Tevan PANOX product family has been proven to work as a biocide within the applications for the following organisms.

PRODUCT	PT02	PT03	PT04
PANOX 350 3,5 % (w/w) Waterstofperoxide 0,1259 % (w/w) Perazijnzuur	GEBRUIK #1, #2, #3 & #4: Bacteriën, gisten, mycobacteriën, virussen & schimmels	GEBRUIK #5: Bacteriën, gisten & mycobacteriën	GEBRUIK #6 & #7: Bacteriën, gisten, mycobacteriën, virussen, schimmels & legionella
PANOX 300 3 % (w/w) Waterstofperoxide 0,1074 % (w/w) Perazijnzuur	GEBRUIK #1, #2, #3 & #4: Bacteriën, gisten, virussen & schimmels	GEBRUIK #5: Bacteriën, gisten & mycobacteriën	GEBRUIK #6 & #7: Bacteriën, gisten, virussen, schimmels & legionella
PANOX 200 2 % (w/w) Waterstofperoxide 0,072 % (w/w) Perazijnzuur	GEBRUIK #1, #2, #3 & #4: Bacteriën, gisten, schimmels & limited spectrum virussen	GEBRUIK #5: Bacteriën & gisten	GEBRUIK #6 & #7: Bacteriën, gisten, schimmels & virussen
PANOX 100 1 % (w/w) Waterstofperoxide 0,0358 % (w/w) Perazijnzuur	GEBRUIK #1, #2, #3 & #4: Bacteriën, gisten & limited spectrum virussen	GEBRUIK #5: Bacteriën & gisten	GEBRUIK #6 & #7: Bacteriën, gisten & virussen

Easy To Dose (ETD)

Tevan PANOX is available in full concentrated form for professional users who want to dose themselves.

Using a concentrated product has several clear advantages:

✓ **Cost efficiency**

You pay for more active product. One concentrated unit makes many ready-to-use doses, lowering the cost per application.

✓ **Flexible dosing, control & consistency**

You can adjust the strength precisely to the task: light cleaning, heavy-duty use, maintenance, etc.

That means better performance and less waste.

✓ **Reduced storage space**

Concentrates take up much less room in warehouses, service vans and stockrooms.

✓ **Lower transport impact**

Shipping less diluted product means fewer pallets, lower fuel use, and a smaller carbon footprint.

✓ **Less packaging waste**

Fewer bottles are needed overall, which means less plastic and less disposal.



Ready To Use (RTU)

The PANOX products are readily available without dilution or mixing. Using a RTU product also the following advantages:

- ✓ **Convenience & speed**
No mixing, no measuring – so perfect for fast-paced environments or minor tasks.
- ✓ **Consistent performance**
Pre-diluted to the correct ratio, so every application delivers the same reliable results.
- ✓ **Reduced risk of dosing errors**
Eliminates under- or overdosing, improving safety and effectiveness.
- ✓ **Time-saving**
Cuts preparation time to zero, increasing productivity.
- ✓ **User-friendly for all skill levels**
No training needed on dilution ratios – ideal for staff turnover or consumer use.
- ✓ **Safer handling**
Lower concentration reduces risk of skin, eye, and inhalation exposure.
Fewer bottles are needed overall, which means less plastic and less disposal.



Working method

Disinfect surfaces

1. Clean the surface
2. Rinse with water
3. Apply the product to the surface
4. Let the product work for 5 minutes, keeping the surface wet
5. No rinsing necessary
6. Dry the surface if desired

Disinfecting water pipes

1. Clean with Tevan Gastrolin 7
2. Rinse thoroughly with water
3. Dispense the product
4. Fill the water pipe with the product
5. Let it work for 5 minutes
6. Rinse thoroughly with water
7. Check whether the product has left the pipe



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Proper cleaning

If you don't clean before disinfecting, you leave behind residue that harmful microorganisms (such as bacteria and viruses) can attach to or hide behind.

By cleaning first, you remove this layer of organic contamination.



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Surfaces

The PANOX product family can only be used on hard, water-resistant surfaces.

Designed for effective and reliable disinfection, it delivers professional results while keeping surfaces safe and intact.



Thinking of the future

When used according to the legal instructions for use, the Tevan PANOX product family leaves no harmful residues – only water, oxygen, and CO₂.

This makes it an effective and reliable solution for disinfection, giving you peace of mind while protecting both surfaces and the environment.



Safe & effective use

With disinfectants, the way you use them is crucial for their effectiveness and safety, always carefully follow the product instructions.

Effectiveness also depends on the contact time and dilution. If the contact time is too short, the disinfectant will not disinfect properly. If you dilute the product too much with water, the product will also be less effective. Therefore, read the label and safety data sheets for our products before use to ensure good results.



Available packing units

Panox				10 ltr. (can)	20 kg (can)	200 kg (vat)	1000 kg (ibc)
Panox 1816				10 ltr. (can)	20 kg (can)	200 kg (vat)	1000 kg (ibc)
Panox 500				10 ltr. (can)	20 kg (can)	200 kg (vat)	1000 kg (ibc)
Panox 350				10 ltr. (can)	20 kg (can)		
Panox 300	6 x 750 ml (spray)	6 x 1 ltr. (fles)	5 ltr. (can)	10 ltr. (can)			1000 kg (ibc)
Panox 200	6 x 750 ml (spray)	6 x 1 ltr. (fles)	5 ltr. (can)	10 ltr. (can)			
Panox 100	6 x 750 ml (spray)	6 x 1 ltr. (fles)	5 ltr. (can)	10 ltr. (can)			



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Learn more?

Would you like to learn more about our disinfectants or need help choosing the right one?

Feel free to contact us, and we'll be happy to help!



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