

# PEROXY 0.5<sup>®</sup>



FOOD  
GRADE

Ready to use  
Disinfectant, for  
Instruments & Open  
Surfaces.

Virucidal – Bactericidal  
– Fungicidal –  
Algaecidal – Sporicidal



## SYNOPSIS

Atomes is a Canadian company with more than 20 affiliate companies responsible over marketing its technology. Atomes is operating all over the globe with more than 150 distributors.

Atomes signed R&D projects with the biggest companies worldwide accordingly they are buying formulas and private label from Atomes and it is responsible over the R&D of lot of governmental institutes & universities in North America and United State.

Research and development at Atomes is the primary activity of the firm. Every year Atomes registers several breakthroughs, adding more patents to its already impressive list of "Unique-Patented" products. All Atomes plants and technology carry a number of certifications and approvals such as, Drug Establishment License, Drug Identification Number (DIN), Health of Canada, Agriculture Of Canada, Canadian Food Inspection Agency CFIA, Pesticide Permit EPA, Ministère du Développement durable, Environnement et Parcs – Québec, Eco Seal.



# PEROXY 0.5<sup>®</sup>

## INGREDIENTS

5000 ppm of Peroxides and  
Peracids | Micro-Polymer

## PHYSICAL & CHEMICAL CHARACTERISTICS

Physical state: liquid

Odor and appearance: pleasant – clear

pH (as is): 3.0±2.00

Specific gravity @ 25°C: 1.0±0.050

## DIRECTION FOR USE

**Disinfecting open surfaces:** Apply **PEROXY 0.5** as is on the surface manually via sprayer or via Mop and Leave the solution for 30 seconds to air dry.

**Tools & Instruments (Cold Sterilization):** Soak tool and instruments with **PEROXY 0.5** for 3 to 10 min and cloth dry.

## APPROVED

Health Canada, Canadian Food Inspection Agency (CFIA).

## DESCRIPTION

**PEROXY 0.5** is a wide spectrum disinfectant and is efficient against: virus, bacteria, yeast, mold and algae. **PEROXY 0.5** kills microorganisms. **PEROXY 0.5** belongs to a family of Hydrogen Peroxide 5000 ppm and Micro-polymer that are environmentally friendly.

## AREA OF APPLICATION

Is used to disinfect medical instruments and surfaces. **PEROXY 0.5** is ready to use disinfectant. However, for a complete control of microorganisms, **PEROXY 0.5** at a concentration of Hydrogen Peroxide 0.5%/Micro-polymer kills bacteria, viruses and fungi that control 99.99% of tested pathogenic microorganisms in 10 minutes. The phenol coefficient experiments were determined with the 10-minutes killing studies; however, **PEROXY 0.5** is efficient in less 15 seconds.

## MICROBIOLOGICAL SPECTRUM

- A broad germicidal activity against a variety of:
- Gram-positive and gram-negative,
- Yeast, mold and algae,
- Virus such as Hepatitis B Virus, Hepatitis C Virus, Herpes Simplex virus Type 1, Herpes Simplex virus Type 2, Coronavirus, HIV-1 (AIDS Virus), Influenza A / Brazil (Influenza), Respiratory Syncytial Virus (RSV), Vaccinia (Pox Virus).

A Safe to handle,  
Unique & Patented  
Biotechnology based, Non-  
Toxic, Non-Harsh, Non-  
Corrosive, Non-  
Carcinogenic,  
Environment Friendly,  
Biodegradable, Certified  
Food Contact No Rinse  
Chemicals



## Bacteria, Yeast, Molds & Algae 100% Kill Less Than 5 min

Aerobacter aerogenes	Pityrosporum ovale
Bacillus aerus, var. mycoides	Proteus vulgaris (gram -)
(gram +) Bacillus subtilis (gram +)	Pseudomonas aeruginosa PRD-10 (gram -)
Brevibacterium ammoniagenes	-) Salmonella gallinarum (gram -)
Brucella abortus	Salmonella pullorum (gram -)
Citrobacter freundii	Salmonella typhimurium (gram -)
Clostridium difficile (gram +)	Salmonella schottmulleri (gram -)
Escherichia coli (gram -)	Salmonella typhosa (gram -)
Enterobacter aerogenes	Salmonella choleraesuis (gram -)
Klebsiella pneumoniae	Shigella sonnei (gram -)
Lactobacillus casei	Staphylococcus aureus (gram +)
Listeria monocytogenes (gram +)	Methicillin Resistant Staphylococcus
Monilia albicans	Aureus (MRSA) (gram +)
Mycobacterium amegmatis	Streptococcus pyogenes C-203 (gram +)
Neisseria caiarrbalis (gram -)	Streptococcus fecalis (gram +)
Pasteurella multocida (gram -)	Streptococcus faecalis (VRE)
Penicillium luteum	(Vancomycin resistant enterococci)
Penicillium notatum	(gram +) Streptococcus viridans (gram +)

## Viruses 100% Kill Less Than 5 min

All Enveloped Viruses  
Hepatitis B Virus  
Hepatitis C Virus  
Herpes Simplex virus Type 1 Herpes  
Simplex virus Type 2  
HIV-1 (the AIDS Virus)  
Influenza A / Brazil (Influenza)  
Respiratory Syncytial Virus (RSV)  
Vaccinia (Pox Virus)  
Animal Viruses  
Avian Infectious Bronchitis Virus  
Avian Influenza Virus  
Canine Distemper Virus  
Coronavirus (CCRV)  
Newcastle's Disease  
Virus Pseudorabies  
Virus



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