

# ARGESIL

## Being true to the faith that patients put in you is non-negotiable.

Medical Units need to demonstrate inviolable efficiency and assurance in every moment of their functioning. No place for surprises there! They need to be on top of it. 'Predictably' so.



# Nearly 27% of discharged patients carry mild to high healthcare associated infections...

A medical utility needs comprehensive decontamination of an entire environment. It is gainsaying that the performance of your medical utility is directly proportional to the performance of its decontamination protocols.



# Nanotechnology based Broad-Spectrum disinfectant

- Broad-Spectrum & kills up to 99.999% harmful Bacteria (as per EN 1276)  
Highly effective on viruses, fungi, and multiple drug-resistant bacteria & spores
- Non-Toxic & without chemical residue
- 100% Eco-friendly
- Biodegradable
- Alcohol-Free

It delivers unfailingly,  
comprehensively,  
and consistently. It's...

*"Delightfully Predictable!"*



# Technical Datasheet

Argesil is a highly recommended multipurpose disinfectant for use in Medical Set-ups for maintaining highest level of health, hygiene & safety standards. Its regular use prevents biofilm formation and protects from serious illness-causing microbes, multiple drug resistant bacteria and spores.



## Composition:

Hydrogen Peroxide 25% w/v

- Efficacy Tested in NABL accredited lab

Silver Nanoparticles 0.025% w/v

- Recommended by WHO, EPA, CDC & ICMR

D M water q.s.

- Manufactured in GMP certified facility

## Application:

Surface Disinfection, Aerial Fumigation, Sterilization of Medical Devices & Surgical Instruments, Laundry, Air handling Filters, PPEs, etc.

**Direction for Use:** Dilute Argesil in Clean Water

Aerial Fumigation – 1 part in 9 parts water

Surface & Floor disinfection – 1 part in 9 parts water

Surgical / Sterilisation – 1 part in 1 parts water

Laundry – 1 part in 15 parts water

\*Recommended contact time- 5 to 20 minutes. Contact us for high bio-load customised solution



**Storage:** Store in cool and dark place

**Shelf Life:** 12 months from date of manufacturing



OXIDIZER



CORROSIVE



IRRITANT

**Health: Not for medicinal use.** Can cause eye damage in case of direct contact. May cause mild skin irritation. May cause respiratory irritation. Harmful if swallowed. Keep away from children.

**Safety:** Wear Personal Protective gear like gloves. Nose mask & eye goggle while using the concentrated liquid.

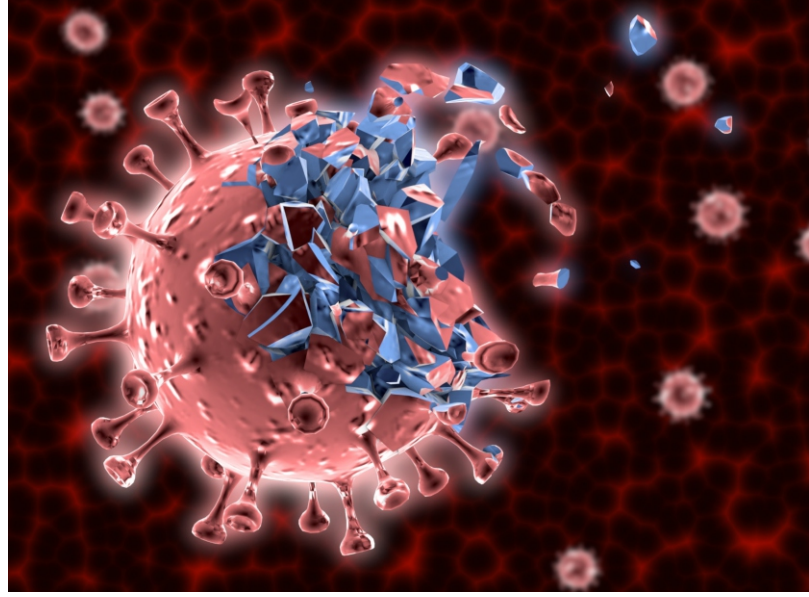
**First Aid:** Wash the affected part with ample water or take medical assistance in case of severe injury/exposure.

## Efficacy

H2O2 Conc.	Duration	Killing*	Micro organisms
~ 0.5 %	20 mins	99.99%	E.coli, Staphylococcus Aureus, Pseudomonas Aeriginosa, Salmonella Typhi, Methicillin-Resistant Saphylococcus Aureus and C. albicans.
~ 1.5 %	10 mins	99.99%	
~ 2.5 %	10 mins	99.999%	
~ 5.0%	10 mins	99.999%	
~ 12.5%	5 mins	99.999%	

(\* ) Tested as per EN 1276 guidelines.

# 'Mechanism of killing' explained.



Hydrogen Peroxide produces destructive hydroxyl free radicals which attacks the membrane lipids, DNA, and essential cell components. Additionally, the Silver Nanoparticles anchor to the bacterial cell walls and penetrate them, causing structural damage to the cell membrane. Due to its permeability, it causes the death of the cell. The formation of free radicals due to positively charged ions from Silver Nanoparticles and modulation of microbial signal transduction also causes immediate extermination of the cell. Thus, using these two agents in combination, ARGËSIL eradicates both Gram negative and Gram positive bacteria even at a relatively lower concentration and in a short treatment time.

**ARGËSIL kills up to 99.999% harmful and infectious microbes in just one use, in mere 5 minutes.\***

\*Refer the Efficacy Study Report as per EN 1276 Guidelines.

**ARGËSIL Sterilizes, Disinfects, Sanitizes, & Deodorizes.**



***"Delightfully Predictable!"***

# Removal of **Biofilm**



Biofilms are responsible for chronic illness and nosocomial infections, industrial pipe fouling, spoilage of foods, contamination of seafood and dairy products, as well as ship hull fouling. Some of the human diseases caused by bacterial biofilms-associated infections are, wound infection, osteomyelitis, chronic sinusitis, central nervous system shunt infection, contact lens-associated keratitis, chronic otitis

media, cochlear implant infection, burn-related infection, intravascular catheter infection.

**ARGÉSIL is extremely effective in the removal of biofilms, in just one use.\***

\*Refer the Efficacy Study Report as per EN 1276 Guidelines.

***"Delightfully Predictable!"***



# The power of Nanotechnology

ARGÉSIL utilizes the attributes of Silver Nanoparticles. Its unprecedented antimicrobial efficacy, while at the same time functioning without chemical residue and with a minimal toll on the environment, is owed to the application of nanotechnology to a 'noble metal.'



*"Delightfully Predictable!"*



# Science & Sensibility



At **ARGENOBËL**, we believe that the best sciences are those that 'leave' without leaving behind the vestiges of their aftermath.

The choices that Nanotechnology allows us will do good to the planet – it may, one day, eliminate the plastic in a whale's belly. It will perhaps help us fight climate change. It will possibly make the engine-oil changes over the lifetime of your car, count to one! The ARGËSIL range of our products have been created with the same aspiration.

***"Delightfully Predictable!"***



# The ARGESIL range



## Pharma

Use for disinfecting, sterilizing and sanitizing Cleanrooms, Process Equipment, Water Storage Tanks, Air Handling Filters, Utilities, Purified Water systems, D M Water Resins, Biofilms in Pipes, Fittings, & Ducts, etc.



## Professional

ARGESIL disinfects areas with high footfall: Offices, Showrooms, Concierges, Hotel Rooms, Changing Rooms, Restrooms, Floors, Doors, Water Storage Tanks, Air Conditioner Filters, Water-filter Tubes, Pantry Spaces, Countertops, Furniture, Electronic Appliances, etc.



## Home

Highly recommended for spraying over Fruits, Vegetables, Meat, outer packs of Parcels, Kitchen, Washing Sink, Living Room, Carpets, Floors, Storage Room, Toilet-Washrooms, Water Storage Tank, Under-ground Water Storage Tank, Cupboards, Air Conditioner Filters, Aquaguard Tubes, etc.



## Agro

Highly recommended for the disinfection of the entire Watering System – like Drip Line Systems, Irrigation Systems, Spray Systems, Silos, Hydroculture, Gutters, etc.



# Our Manifesto

We walk with a science that has discovered its true purpose.

It solves a problem and, for once, desists from creating another.

A world better than we found, it brings forth - *now, and through us.*







Argenobël Nanoscience Pvt. Ltd.,  
502, Parmeshwari plaza, Mulund (W),  
Mumbai 400 080, Maharashtra, INDIA

+91 816 917 8767  
info@argenobel.com | www.argenobel.com



RECOMMENDED

