

# ARGESIL



## **The QC Protocol behind the making of the humble Asprin can give a headache to the uninitiated.**

GMP & Environmental Standards? Area Classification Norms? Maintenance of aseptic & sterile conditions? The list goes on and on. Man and method have to function together in a military discipline --- never a step out of line.

Welcome to the Pharmaceutical industry. Here, 'predictability' is life!

# By 2050, antimicrobial resistant infections may become the leading cause of death.

We are entering a post-antibiotic era where simple and previously treatable bacterial infections can kill and where routine medical procedures that rely on antibiotic preventive treatment such as joint replacements and chemotherapy may not be possible.

**Environment monitoring & controls are key to antibiotic resistance in pharmaceutical and healthcare units.**



# 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 Pharma is a highly recommended multipurpose disinfectant for use in Pharmaceuticals for maintaining highest level standards. It's regular use maintains the area classification norms including aseptic and sterile conditions. Argesil is manufactured using Purified water recommended for disinfection of Sterile & Non Sterile area.



## Composition:

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|--|--|
| <b>Hydrogen Peroxide 12.5% w/v,</b>      | - Efficacy Tested in NABL accredited lab |
| <b>Silver Nanoparticles 0.0125% w/v,</b> | - Recommended by WHO, EPA, CDC & ICMR    |
| <b>D M Water q.s.</b>                    | - Manufactured in GMP certified facility |

## Application:

Surface Disinfection, Aerial Fumigation, Sterilization of Process Equipment, Clean Room Areas & Microbiology Lab, Use for Laundry, Air Handling Filters, Hotspots, Potable Water Purification, Disinfection of Purified Water System, Loop & Storage Tanks, etc

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Direction for Use: Dilute Argesil in Clean Water

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Aerial Fumigation – 1 part in 4 parts water

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Surface & Floor disinfection – 1 part in 24 parts water

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Water System – 1 part in 600 parts water

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Filters & Gaskets – 1 part in 4 parts water

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\*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.

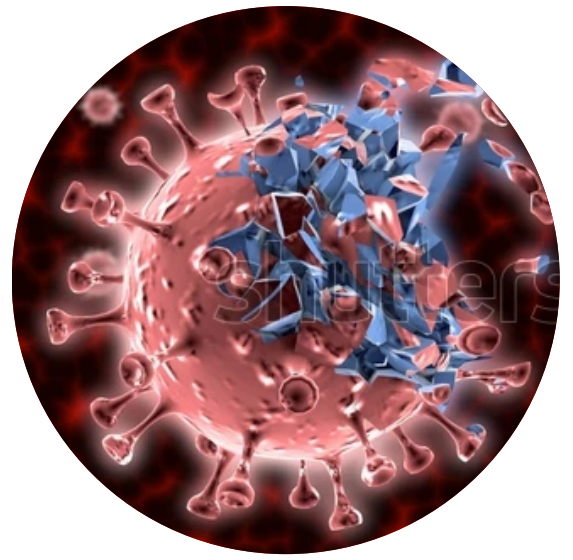
**First Aid:** Wash the affected part with ample water or take medical assistance in case of severe injury/exposure.

## 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, ARGESIL eradicates both Gram negative and Gram positive bacteria even at a relatively lower concentration and in a short treatment time.

**ARGESIL 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.

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

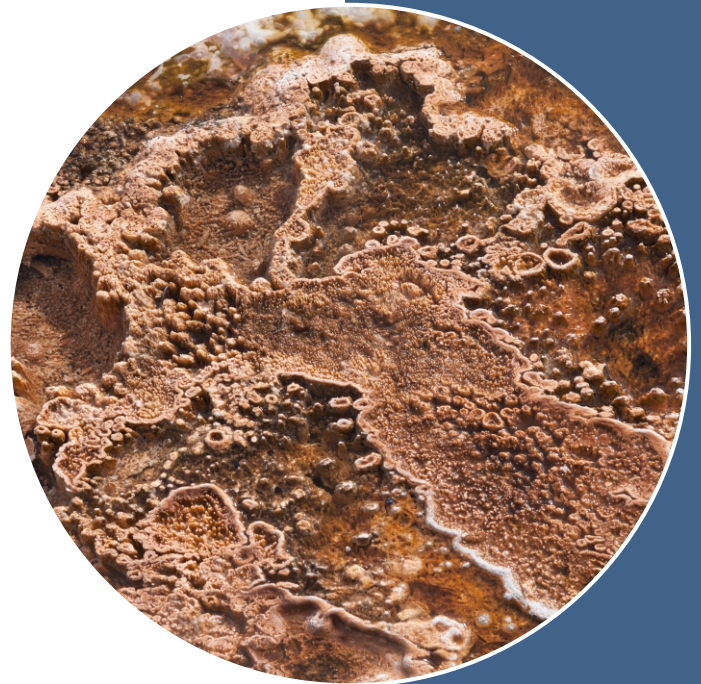


*"Delightfully Predictable!"*

# 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.



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

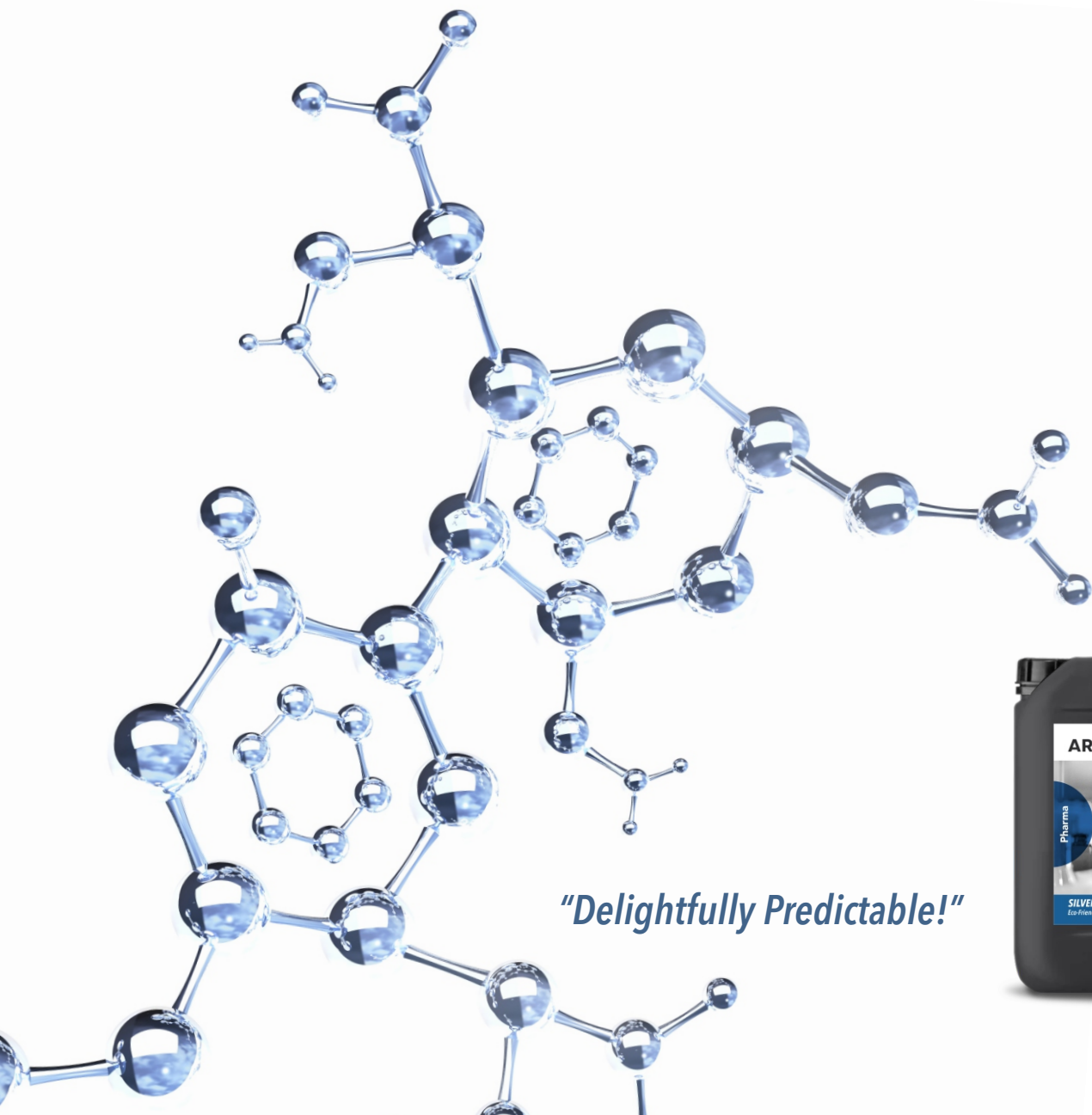
\*Refer the Efficacy Study Report as per EN 1276 Guidelines.

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# The power of Nanotechnology

ARGESIL 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 ARGËSIL range



## Medical

For disinfection of Operation Theatres, Immerse Medical Devices, Surgical Devices, Laundry Bed & Pillow Linen, Pathological Consumables, Catheters, etc. Hospitals, Clinics, Nursing Homes, Pathology Labs, Imaging Centre, Blood Banks, Veterinary Hospitals, & Clinics.



## Professional

ARGËSIL 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.*





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RECOMMENDED

