

# **SILROX – 10<sup>TM</sup>**

**ED009**



**Advanced Hydrogen Peroxide  
Silver Stablized Solution**



**SILROX-10** is a advance solution with the combined effect of  $H_2O_2$  with silver nitrate results in multiple oxidation power to kill all germs viz. bacteria, fungi, spores, virus, algae and amoebae.

**SILROX-10** a powerful, highly effective, broad spectrum disinfectant that is both stable and safe. **SILROX-10** can be used in various applications for air and surface disinfection through fogging, spraying, surface wiping etc.

**SILROX-10** is biodegradable with no residue and the formation of highly reactive free oxygen ions and hydroxyl radicals help to achieve superior disinfection. The silver attacks the defense system (enzymes) of the micro organisms and the hydrogen-peroxide attacks its membrane and internal organs (DNA and RNA) resulting in cellular dysfunction.

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### Salient Features

- Eco-friendly as the breakdown products are water and oxygen
- Remains active and stable for longer periods
- Non carcinogenic
- Removes and destroys the adhesive Biofilms of microbes on a short contact period
- Causes no irritation to skin or eyes
- Non pollutant and biodegradable
- Clear colourless & odourless liquid

### Intended Use:

### Dilution

For Aerial Fumigation	:	1:5 (20 ml - Silrox 10 + 80 ml of D.M. water)
For Surface (Spray)	:	1:20 (05 ml - Silrox 10 + 95 ml of D.M. water)
For Instrument	:	1:10 (10 ml - Silrox 10 + 90 ml of D.M. water)
For Water	:	10 ppm to 15 ppm (10 - 15 ml - Silrox 10 + 1000 lit of D.M. Water)

## Directions

**Aerial fumigation :** Dilute (1:5) 20% concentration (20ml in 80ml of D.M Water) can be used to fumigate a 1000 cu ft area for 30 min.

**Surface disinfection :** To disinfect surfaces of processing areas, food farms, walls and tables, a 5% solution of **SILROX-10** is recommended to be used after the first cleaning and rinsing with water. A contact time of 10 min gives the desired result. For soiled surfaces/ surfaces with higher microbial load, a 10% solution is recommended with a contact time of at least 20 min. Allow it to dry and do not rinse.

**Instrument Disinfection :** After cleaning and rinsing with water the instruments should be submerged in a 10% solution for at least 20 minutes. Allow them to dry and do not rinse.

**Water Disinfection :** 10 ppm to 15 ppm  
(10 - 15 ml - Silrox 10 + 1000 lit of D.M. Water)

**Properties :** It is a clear colourless, odourless and tasteless liquid. It is miscible in water and air completely without foaming and coat formation.

### Composition :

-Silver Nitrate ( $\text{AgNO}_3$ ) 0.01% w/v

-Hydrogen Peroxide ( $\text{H}_2\text{O}_2$ ) 10.0 % w/v

**Efficiency :** The disinfection with SILROX-10 is effective for around 12-14 hours.

**Storage :** Store at room temperature. Do not store together with alkalis, salt, reducing agents and combustible substances.

**Shelf life :** 2 years

**Packing :** 1lit • 5 lit • 25 lit



**DISCLAIMER :** User must ensure suitability of the product in their application prior to use. The information contained in this is based on our research and development work and is to the best of our knowledge true and accurate. CDH reserves the right to make changes to specifications and information related to the products at any time. Products are not intended for human or animal diagnostic or therapeutic use but for laboratory, research or further manufacturing use only, unless otherwise specified. we expressly disclaim any and all liability as to any results obtained or arising from any use of the product on such information.

# Application areas



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