

## CERTIFICATE OF CONFORMITY GBM (H<sub>2</sub>O<sub>2</sub>) Silver stabilised hydrogen peroxide;

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Kampf, Todt, Pfaender and Steinmann 2020.

Persistence of corona viruses (Covid-19) on inanimate surfaces and their inactivation with biocidal agents.

Hydrogen peroxide is a transparent colourless and odourless disinfectant liquid which post disinfection quickly degrades into water and oxygen. The unique ionic silver stabilisation technology in GBM (H<sub>2</sub>O<sub>2</sub>) increases the stability of the hydrogen peroxide solution, without the undesirable residual effects from other potential stabilising agents, such as acids.

- **Bactericidal activity (BS EN 1276 and 13697)**

Conforms to British (BS) and European (EN) regulatory standards for efficacy against viruses, bacteria and fungi, across a range of hard surfaces.

- **Fungicidal activity (BS EN 1650)**

At a 0.5% active H<sub>2</sub>O<sub>2</sub> concentration GBM achieves greater than Log<sub>5</sub> (99.999%) efficacy within 5 minutes.

### Log Reduction

- **Log<sub>4</sub>** reduction on a surface with 1,000,000 potentially harmful microorganisms would leave 100 remaining post treatment. (99.99%)
- **Log<sub>6</sub>** reduction on a surface with 1,000,000 potentially harmful microorganisms would leave 10 remaining post treatment. (99.9999%)

### Key Points

- Completely odourless and colourless
- Effective against bacteria
- Effective against yeast and fungi
- Effective against encapsulated viruses
- Complies with BS and EN regulatory standards
- Approved biocide for the control of Legionella & Coronavirus
- Infection control on artificial surfaces
- Does not leave harmful residues
- Verified as compliant with Organic Food Production as "leave in place"
- Biodegradable
- Non-corrosive
- Does not cause skin irritation (at under 3%)
- Chlorine free
- Alcohol free

- **Encapsulated viruses (BS EN 14476) Corona Virus (Including Covid-19)**
- At a 3% active H<sub>2</sub>O<sub>2</sub> concentration GBM 3 achieves greater than Log<sub>5</sub> (99.999%) efficacy within 3 minutes.
- At 5% active H<sub>2</sub>O<sub>2</sub> concentration (deployed through a fogging unit) GBM 5 achieves greater than Log<sub>6</sub> (99.9999%) efficacy inactivation of human corona virus HCoV-229E within 1 minute.

HWS-50 is a no rinse formulation suitable for use prior to the food processing of organic approved products under EU 83412007 and EU 889/2008.

Approved by the Health and Safety Executive as a constant dose biocide for the control of Legionella featuring in HSE guidance documents HSG274 & HSG282.

**Note:** Contact times apply to clean surfaces.