

## Use of Acid Hypochlorous Water

As a result of verifying the effectiveness of “acid hypochlorous water” against COVID-19 removal on goods by National Institute of Technology and Evaluation (NITE) and Ministry of Economy, Trade and Industry of Japan, effectiveness confirmed under certain conditions.

- Effective chlorine concentration of acid hypochlorous water (electrolytic type/ non-electrolytic type) is 35ppm or more.
- Effective chlorine concentration of sodium dichloroisocyanate dissolved in water is 100ppm or more.

Also, the following precautions are required when using acid hypochlorous water.

- ✓ Remove dirt (organic matter: hand stains, oils and fats, etc.) in advance
- ✓ Use a sufficient amount for the object
- ✓ When using, appropriately use it with due consideration of safety information and precautions provided by the manufacturer.
- ✓ This verification test verifies the effectiveness of disinfection against COVID-19 for goods, but not subject to verification about disinfection of wrists and skin or effectiveness and safety of space spray.

### **Evaluation by This Verification Committee/ Handling of the Results**

- About removal effect on COVID-19, this verification committee use “infection reduction rate of 99.99% or more” as a guide to judge effectiveness. However, as for the standard of conventional antiviral effect, various different standards are set in various cases such as the purpose and application. Among them, there is an opinion that the guideline of “99.99% or more” used this time is a strict setting for more certainty. Since disinfection is not only the effect of the material, but also the effect may be sufficient by using an appropriate method according to the characteristics, it was examined using the above guidelines including the meaning of having a certain margin.
- From the background as above, this report does not mean that there is no inactivating effect even if the substance disinfection method (condition, concentration) is not judged to be “effective”.
- The effectiveness evaluation conducted by this committee is for the people related to the response to COVID-19, but it does not mean an evaluation under “laws related to ensuring the

quality, effectiveness and safety of pharmaceuticals and medical devices” (Pharmaceutical Machinery Law), Food Sanitation Act, and other related laws and regulations.

Cosmotech Co., Ltd.



Reference:

Evaluation of effectiveness of alternative disinfection methods for COVID-19 [Ministry of Economy, Trade and Industry of Japan]