The Study of Anti-microbial Capability of the Nano-container Manufactured by Rotational-mold

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ABSTRACT

Large plastic containers generally in multi-purpose of liquid storage, may breed a large number of bacteria while storage or transport. Industry would need to spend more cost to sterilize the contamination of bacterial, but cannot be sustained. Industry will once again pollute by bacteria after a long-term of storage, and need sterilization again. Repeating sterilization contamination of bacterial leads to the harmful substances formed by the fungicide, and will increase personnel and fungicide cost of the economic burden. The advance in nanotechnology has been used for many industrial. By the study of nano silver, use in possession of antimicrobial, sterilization, deodorizing, and bacteriostatic in many industries had good results. Therefore, the study of containers with nano silver hope to control the growth of bacteria in water will test in two sections: 1. Concentration levels of bacteria; 2. Contact area of the industry. Through the plan and design this study, we can develop the antimicrobial capacity of plastic container.

Keywords : nano-container ; rotation-mold ; anti-microbial

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