

SCOOP

THE LATEST TRENDS, SERVICES & PROMOTIONS

COSMETICS, PERSONAL CARE AND HOUSEHOLD, SGS HONG KONG

FEB 2020

EFFECTIVENESS EVALUATION ON CHEMICAL DISINFECTANTS

“ANTIBACTERIAL” OR “KILL 99.9% GERMS”

The claim of “Antibacterial” or “Kill 99.9% germs” is commonly found on hand cleansing gel, hand wash and household cleaners. This efficacy claim shall be supported by scientific testing results so that consumers can make their right choice. With our expertise in chemical and microbial testing and worldwide network, SGS can help you to substantiate your claim in the market.



TEST METHOD ACCORDING TO EN 1265 AND EN 1650

EN 1276 and EN 1650 are well known standard methods to evaluate, respectively, bactericidal and fungicidal/yeastcidal activities. Both methods are applicable to hand hygiene products and disinfectants (e.g. household cleaner) [note 1]. Briefly, your product effectiveness will be evaluated under a simulated dirty condition by the addition of bovine albumin protein.

Note 1: EN 1276 and EN 1650 is not applicable to medical use product and products to be used on living tissues, except hand hygiene products.

A SUMMARY OF TEST METHODS BETWEEN EN 1276 AND EN 1650.

	Bactericidal Activity	Fungicidal / Yeastcidal Activity
Standard Method	EN 1276	EN 1650
Test organisms	- <i>Pseudomonas aeruginosa</i> - <i>Staphylococcus aureus</i> - <i>Enterococcus hirae</i> - <i>Escherichia coli</i>	- <i>Candida albicans</i> - <i>Aspergillus niger</i>
Obligatory test conditions	20 ± 1 °C 1 min ± 5 s for hand hygiene products 5 min ± 10 s for other products	20 ± 1 °C 15 min ± 10 s
Functions	Evaluate the bactericidal activity under simulated actual use conditions	Evaluate the fungicidal / yeastcidal activity under simulated actual use conditions

FOR ENQUIRIES

SGS HONG KONG LIMITED

CONSUMER GOODS AND RETAIL –
COSMETICS, PERSONAL CARE AND HOUSEHOLD

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The SGS logo, consisting of the letters 'SGS' in a bold, sans-serif font, with a vertical line to the right and a horizontal line below.