

**EMIRATE OF ABU DHABI**

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إمارة أبوظبي  
دائرة بلدية أبوظبي  
صندوق ٢٦٣  
أبوظبي - الإمارات العربية المتحدة

TECHNICAL REPORT ON THE BIOCIDAL EFFECT OF  
STALOSAN

Stalosan is a dry disinfectant produced by a/s Køge Stormølle of Denmark.  
The product is a fine powder and has a red/brown colour.

Abu Dhabi Central Laboratory has conducted a series of trials to evaluate the bactericidal effect of Stalosan against bacterial strains, which are commonly present in the local habitat.

<u>BACTERIAL STRAINS UNDER TEST</u>	<u>CONCENTRATION OF THE INOCULUM/ml</u>
1- Enterobacter cloacal	$5,5 \times 10^7$
2- Proteus mirabilis	$1 \times 10^7$
3- Pseudomonas fluorescent	$2 \times 10^7$
4- Micrococcus varians	$6 \times 10^6$
5- Salmonella enteritidis	$4 \times 10^5$
6- Staphylococcus aureus	$5 \times 10^6$
7- Staphylococcus epidermis	$3 \times 10^6$

DRY APPLICATION

When Stalosan was applied according to manufacturer's instructions i.e. 50 g/square meter, Stalosan has shown the following results (Total results after 12 hrs. application).

<u>BACTERIAL STRAINS</u>	<u>DEATH %</u>
Enterobacter cloacal	89%
Proteus mirabilis	91%
Pseudomonas fluorescent	92%
Micrococcus varians	87%
Salmonella enteritidis	93%
Staphylococcus aureus	92%
Staphylococcus epidermis	91%
Average biocidal effect	90,7%

LIQUID FORM

At a dilution of 50 g/litre, Stalosan has stopped the growth of all tested organisms.

CONCLUSION

It is clear that Stalosan has strong bactericidal effect on the strains mentioned in this report.

by

  
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