

## REPORT

Report No.: 346839/1

Sample lab ID: 0001585154

<b>Customer name/address:</b>	Kemper S.r.l. 25020 Dello (BS) Via Ponterosso, ncm
<b>Project:</b>	Microbiological analysis (2016/E/03951)
<b>Description of sample:</b>	BIOSAN STERIDET
Sample ID:	1649/12.01.2016
Producer:	
Sample type:	Household chemical products
Sampling by:	Ecofarm UCL Kft.
Sampling date / Sampling place:	12.01.2016. / Olaszország
Packaging / Quantity:	plastic box / 1000 g
Time of shipment:	22.04.2016. 08:00
Beginning of analysis / end:	26.04.2016. - 29.04.2016.
Comments:	

### Microbiological parameters

<b>Test concentration:</b>	<b>3,0%</b>
<b>Test method:</b>	MSZ EN 1657:2006 standard Neutralization method
Test circumstances	
<i>Test microbes:</i>	<i>Candida albicans</i> ATCC 10231
<i>Test temperature:</i>	10 °C
<i>Contact time:</i>	5 minutes, 15 minutes, 30 minutes
<i>Interfering substance:</i>	low-level soiling: 3,0 g/l bovine albumin

#### Validation of method and dilution-neutralization

Test microbe	CFU/ml				
	Bacterial test suspension (N)	Bacterial suspension (N <sub>v</sub> )	Experimental conditions (A)	Toxicity control (B)	Dilution neutralization control (C)
<i>Candida albicans</i>	1.7 · 10 <sup>7</sup>	4.4 · 10 <sup>2</sup>	3.2 · 10 <sup>2</sup>	4.1 · 10 <sup>2</sup>	3.6 · 10 <sup>2</sup>
$1,5 \cdot 10^7 < N < 5,0 \cdot 10^7$ , $3,0 \cdot 10^2 < N_v < 1,6 \cdot 10^3$ (fungi) $A \geq 0,5 \cdot N_v$ $B \geq 0,5 \cdot N_v$ $C \geq 0,5 \cdot N_v$					
The test method is valid.					



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**TEST RESULTS:****Surviving microbial count ( $N_a$ ) (cfu/ml)**

Test microbe	5 minutes	15 minutes	30 minutes
<i>Candida albicans</i>	$1.1 \cdot 10^3$	$<1.4 \cdot 10^2$	$<1.4 \cdot 10^2$

**Reduction of viability at test concentration (R)**

Test microbe	5 minutes	15 minutes	30 minutes
<i>Candida albicans</i>	<4	>4	>4

$$N_0 = N/10$$

$$R = (\lg R = \lg N_0 - \lg N_a)$$

**Terms of disinfecting effect:**  $R \geq 4$  (fungi)

**SUMMARY:**

According to MSZ EN 1657:2006 standard the **BIOSAN STERIDET disinfectant at 3,0%** concentration, under low-level soiling, at 10 °C temperature possesses yeasticidal activity within 15 minutes to the tested microorganism.

Judit dr. Reichardt Gasparikné  
 Deputy Head of Laboratory

This test report was generated from a validated system and is valid without a signature.

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