

ENCLOSURE No. 3 TO REPORT OF ANALYSIS NO. 243611/20/JS HB

A) IDENTIFICATION OF THE SAMPLE	
Name of the product	Non alcoholic disinfectant/Dezinfekcijas līdzeklis
Active substance	Alkyl (C12-16) dimethylbenzylammonium chloride, CAS: 68424-85-1 0,4% (0,4g/100g)
B) TEST METHOD AND ITS VALIDATION	
	PN-EN 1650:2013 – Chemical disinfectants and antiseptics – Quantitative suspension test for the evaluation of fungicidal or yeasticidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas – Test method and requirements (phase 2, step 1)
Neutralizer	Polisorbate 80- 30 g/l, saponine- 3 g/l, cysteine- 1g/l, histidine- 1g/l, sodium thiosulfate 7,5g/l
C) EXPERIMENTAL CONDITIONS	
Product test concentrations	0,01%, 50%, 80%
Test temperature	20°C
Contact time	15 minutes
Interfering substances	Clean conditions: 0,3g/l bovine albumin
Product diluent	Hard water
Temperature of incubation	30°C ± 1°C
Identification of the bacterial and fungal strains used	<i>Candida albicans</i> ATCC 10231 <i>Aspergillus brasiliensis</i> ATCC 16404

Date: 06.07.2020

Authorized by: Agnieszka Erber, Cosmetics Microbiology Laboratory Manager

Approved by: Hanna Wachowska, Laboratory Director (*Approved with qualified electronic signature*)

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TABLE 1. RESULTS OF THE TEST

0,3 g/l BOVINE ALBUMIN - CLEAN CONDITIONS
 CONTACT TIME: 15 minutes
 TEST TEMPERATURE: 20°C
 PRODUCT TEST CONCENTRATIONS: 0,01%, 50%, 80%

TEST ORGANISM	VALIDATION SUSPENSION				VALIDATION A			VALIDATION B			VALIDATION C														
	VC1	VC2	Nv	N _{v0}	VC1	VC2	A	VC1	VC2	B	VC1	VC1	C												
<i>Candida albicans</i> ATCC 10231	104	108	1060	106	88	89	89	77	85	81	76	75	76												
<i>Aspergillus brasiliensis</i> ATCC 16404	83	85	840	84	80	78	79	69	72	70,5	73	72	73												
criteria	300 < N _v < 1600		30 < N _{v0} < 160		acceptable			A ≥ 0,5*N _{v0}			acceptable			B ≥ 0,5*N _{v0}			acceptable			C ≥ 0,5*N _{v0}			acceptable		

TEST ORGANISM	TEST SUSPENSION															
	-5	-5	-6	-6	N	Ig N	N ₀	Ig N ₀								
<i>Candida albicans</i> ATCC 10231	233	241	25	24	2,4E+07	7,38	2,4E+06	6,38								
<i>Aspergillus brasiliensis</i> ATCC 16404	>165	>165	20	21	2,1E+07	7,31	2,1E+06	6,31								
criteria	1,5*10 ⁷ ≤ N ≤ 5*10 ⁷				acceptable				1,5*10 ⁶ ≤ N ₀ ≤ 5*10 ⁶				acceptable			
	7,17 ≤ Ig N ≤ 7,70				acceptable				6,17 ≤ Ig N ₀ ≤ 6,70				acceptable			

TEST ORGANISM	N	0,01%					50%					80%				
		VC1	VC2	Na	Ig Na	Ig R	VC1	VC2	Na	Ig Na	Ig R	VC1	VC2	Na	Ig Na	Ig R
<i>Candida albicans</i> ATCC 10231	2,4E+07	>330	>330	>3300	>3,52	<2,86	0	0	<140	<2,15	>4,23	0	0	<140	<2,15	>4,23
<i>Aspergillus brasiliensis</i> ATCC 16404	2,1E+07	>165	>165	>1650	>3,22	<3,09	244	102	1730	3,24	3,07	71	70	705	2,85	3,46
criteria	Ig R ≥ 4															

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