

ENCLOSURE No. 2 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	
Method	PN-EN 1276:2010/AC:2010 Chemical disinfectants and antiseptics – Quantitative suspension test for the evaluation of bactericidal 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 (%V/V)	0,01%, 50%, 80%
Test temperature	20°C
Contact time	5 minutes
Interfering substance	Clean conditions: 0,3g/l bovine albumin
Product diluent	Sterile hard water
Temperature of incubation	37±1°C
Identification of the bacterial and fungal strains used:	<i>Pseudomonas aeruginosa</i> ATCC 15442 <i>Escherichia coli</i> ATCC 10536 <i>Staphylococcus aureus</i> ATCC 6538 <i>Enterococcus hirae</i> ATCC 10541

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: 5 minutes
 TEST TEMPERATURE: 20°C
 PRODUCT TEST CONCENTRATIONS: 0,01%, 50%, 80%

TEST ORGANISM	VALIDATION VALIDATION SUSPENSION				VALIDATION A			VALIDATION B			VALIDATION C		
	VC1	VC2	Nv	Nv0	VC1	VC2	A	VC1	VC2	B	VC1	VC1	C
<i>Escherichia coli</i> ATCC 10536	133	137	1350	135	100	108	104	116	121	119	124	120	122
<i>Staphylococcus aureus</i> ATCC 6538	115	106	1105	111	98	97	98	88	89	89	107	109	108
<i>Pseudomonas aeruginosa</i> ATCC 15442	99	106	1025	103	89	85	87	83	75	79	90	94	92
<i>Enterococcus hirae</i> ATCC 10541	141	135	1380	138	122	130	126	94	90	92	122	127	125
criteria	300 ≤ Nv ≤ 1600		30 ≤ Nv0 ≤ 160		A ≥ 0,5*N _{v0} acceptable			B ≥ 0,5*N _{v0} acceptable			C ≥ 0,5*N _{v0} acceptable		

TEST ORGANISM	TEST SUSPENSION							
	-6	-6	-7	-7	N	IgN	N ₀	IgN ₀
<i>Escherichia coli</i> ATCC 10536	196	200	20	21	2,0E+08	8,30	2,0E+07	7,30
<i>Staphylococcus aureus</i> ATCC 6538	220	225	23	24	2,2E+08	8,35	2,2E+07	7,35
<i>Pseudomonas aeruginosa</i> ATCC 15442	264	270	27	26	2,7E+08	8,43	2,7E+07	7,43
<i>Enterococcus hirae</i> ATCC 10541	228	230	23	24	2,3E+08	8,36	2,3E+07	7,36
criteria	1,5*10 ⁸ ≤ N ≤ 5*10 ⁸		8,17 ≤ logN ≤ 8,70		1,5*10 ⁷ ≤ N ₀ ≤ 5*10 ⁷		7,17 ≤ logN ₀ ≤ 7,70	

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>Escherichia coli</i> ATCC 10536	2,0E+08	>330	>330	>3300	>3,52	<3,78	0	0	<140	<2,15	>5,15	0	0	<140	<2,15	>5,15
<i>Staphylococcus aureus</i> ATCC 6538	2,2E+08	>330	>330	>3300	>3,52	<3,83	0	0	<140	<2,15	>5,20	0	0	<140	<2,15	>5,20
<i>Pseudomonas aeruginosa</i> ATCC 15442	2,7E+08	>330	>330	>3300	>3,52	<3,91	0	0	<140	<2,15	>5,28	0	0	<140	<2,15	>5,28
<i>Enterococcus hirae</i> ATCC 10541	2,3E+08	>330	>330	>3300	>3,52	<3,84	0	0	<140	<2,15	>5,21	0	0	<140	<2,15	>5,21
criteria	Ig R ≥ 5															

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