Laboratoire MIDAC

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Test report **n° RE20-1364-1**

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Evaluation of the bactericidal activity according to the NF EN 13727+A2 : 2015 standard

Product : **SQ2 Skin**

Batch : SL202006

On request of:

MEDIMEX
1 allée Alban Vistel
FR69110 Sainte-Foy-les-Lyon

Loos, 06 November 2020

Prescilla LEMAITRE
Test Manager

The test report includes : **6** pages

The COFRAC accreditation attests laboratories are competent for the only tests covered by the program.
Copy of this test report is authorized only in its entirety.
This report concerns only the tested product.

I. PRINCIPLE :

The bactericidal activity was determined according to standard NF EN 13727 +A2: "Chemical antiseptics and disinfectants - Quantitative suspension test for the evaluation of bactericidal activity in medicine - Test method and prescriptions (Phase 2, Step 1)" December 2015.

II. SAMPLE(S) IDENTIFICATION :

Name(s): **SQ2 Skin** – Batch: SL202006 – Expiration Date : 01 June 2022

Society: **MEDIMEX**

Received at the laboratory: 15 October 2020

Storage conditions at the laboratory: Room temperature, in the darkness.

Appearance of the product: **Colorless liquid.**

Product diluent recommended by the manufacturer: **Distilled water.**

Active substance: **Chlorure d'Alkyldiméthylbenzylammonium (0.32%)**

III. TEST METHOD AND ITS VALIDATION :

- Neutralization method : Dilution Neutralization.

- Diluent neutralizer : Tryptic-Soy Broth Capitol IV.

IV. EXPERIMENTAL CONDITIONS :

Period of analysis: from 22 October 2020 to 24 October 2020

Test organism(s): **see table(s) on next page(s).**

Preservation and stock cultures of test organisms following the requirements of the EN 12353 standard.

Diluent used for product test solution: **Distilled water.**

Product test concentration(s): **see table(s) on next page(s).**

Appearance of product dilutions: **Colorless liquid.**
Stability of the test mixture interfering substance / test product(s): **no precipitate.**

Test temperature: **20°C (± 1°C).**

Contact time: **30 seconds (± 5 seconds).**

Interfering substance(s): **0.3 g/l bovine albumin (Clean conditions).**

Incubation temperature: **37°C (± 1°C).**

Réduction (R) du nombre de cellules viables à la concentration testée (v/v) :
Reduction (R) of the number of viable cells at the tested concentration (v/v) :

Souche(s) / Strain(s)	1 %	50 %	80 %		
Pseudomonas aeruginosa DSM 939	log R : 3.56	log R : **>5.33**	log R : **>5.33**		
Staphylococcus aureus DSM 799	log R : 4.57	log R : **>5.52**	log R : **>5.52**		
Enterococcus hirae DSM 3320	log R : 4.60	log R : **>5.50**	log R : **>5.50**		
Escherichia coli K12 DSM 11250	log R : 4.60	log R : **>5.44**	log R : **>5.44**		
Critères d'interprétation/Interpretation criteria: *concentration active si /active concentration if log R ≥ 5* *concentration non active si /non active concentration if log R < 5*					

Dans le cadre de la norme, le SQ2SKIN a été testé à différentes concentrations (1%, 50% et 80%) dilué dans de l'eau distillé.
Afin que l'efficacité antibactérienne soit validée, le log R doit être supérieur à 5. Pour le SQ2SKIN, le log R est supérieur à 5 pour une concentration de 50% et de 80%.
Cela signifie donc que le SQ2SKIN possède une activité bactéricide.

Number of repetitions : The test was carried out once.

VI. CONCLUSION :

According to the **NF EN 13727+A2 : 2015 standard,** the product

SQ2 Skin
Batch : SL202006

possesses a bactericidal activity at a concentration of **50%** after **30 seconds (± 5 seconds)** at **20°C (± 1°C)** in contact with **0.3 g/l bovine albumin (Clean conditions)**.

VII. REVISION HISTORY

Date	Revision description	Version
n.a	**n.a**	**n.a**