

Evaluation of the yeasticidal activity according to the NF EN 13624 : 2013 standard

Product : **SQ2 Skin**

Batch : SL202006

On request of:

MEDIMEX
1 allée Alban Vistel
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Loos, 05 November 2020


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Test Manager

The test report includes : **5** 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 yeasticidal activity has been determined according to the NF EN 13624 standard: "Chemical disinfectants and antiseptics - Quantitative suspension test for the evaluation of fungicidal or yeasticidal activity in the medical area - Test method and requirements - (Phase 2, step 1)." – November 2013.

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 28 October 2020 to 30 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: **30°C (± 1°C).**

V. TEST RESULTS

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 %		
<i>Candida albicans</i> DSM 1386	log R : <1.93	log R : 3.77	log R : >4.25		
Critères d'interprétation/Interpretation criteria: concentration active si /active concentration if log R ≥ 4 concentration non active si /non active concentration if log R < 4					

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 levuricide soit validée, le log R doit être supérieur à 4. Pour le SQ2SKIN, le log R est supérieur à 4 pour une concentration de 80% (> 4.25). Cela signifie donc que le SQ2SKIN possède une activité levuricide.

VI. CONCLUSION :

According to the **NF EN 13624 : 2013 standard**, the product

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possesses a yeasticidal activity at a concentration of 80% 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