Test Report
"Certificate of Analysis"

Report No.: TR-138-26 Rev 01 **Date:** 18/08/2026

Customer: Techno Orbits
Customer contact information: 079006582
Customer Reference: RC/074/26
Sample Description: microSURE Hospital Grade Surface disinfectant
Sample Code: S01/RC/074/26
Receiving Date:02/07/2026
Batch No.:25017301
Receiving condition/sample status: Ok
Expiry Date: 02/05/2028
***Deviation: NA**

Testing location: InterPharma Lab, Sports City Area

TEST PERFORMED: Assessment of Residual Antimicrobial Performance of **microSURE Hospital Grade Surface disinfectant** Following Surface Abrasion

1. **Study Objective :** The purpose of this study was to assess whether MICROSURE™ Surface Sanitizer maintains effective antimicrobial performance after treated surfaces are subjected to repeated or forced abrasion. The evaluation was designed to represent practical surface conditions in which treated materials may subsequently be touched, wiped, washed, or otherwise disturbed.

2. **Test Design and Scope :**A representative glass surface was included in the study. The test surface was prepared as **75 mm x 25 mm** area and challenged with a suspension of spore forming *Clostridium difficile* ATCC @ 9689 The sanitizer was applied to the glass surface prior to the microbial challenge, followed by the defined test conditions.

- **Test microorganism:** *Clostridium difficile* ATCC @9689
- **Surface material:** Glass
- **Surface dimensions:** 75 mm x 25 mm
- **Nominal challenge level:** 10^6 CFU/mL
- **Assessment endpoint:** Surviving microorganisms and calculated percentage reduction
- **Test conditions:** The study included untreated/unaltered glass surfaces and glass surfaces subjected to different abrasion or cleaning processes.

3. **Culture Media and Microbiological Basis**
The bacterial inoculum was prepared from a stock culture and handled according to the laboratory procedure described in the source study. Culture-media preparation and

performance testing were based on the laboratory's referenced microbiological procedures and ISO 11133.

Test Microorganism	Cultured Medium / Incubation
Clostridium difficile ATCC @9689	Blood Agar for 48-72 hr at 35 C anaerobic condition

4. Experimental Procedure

1. The slides were cleaned using an alcohol sanitizer and a microfiber towel, then allowed to air-dry for approximately 10–15 minutes.
2. microSURE Hospital Grade Surface disinfectant was thoroughly misted onto the cleaned surfaces from a distance of approximately 25 cm, after which the slides were allowed to dry.
3. The treated surfaces were maintained for 24 hours under the stated test conditions before the abrasion challenge.
4. On the second day, the specified abrasion and cleaning protocols were applied to the individual slides. Following treatment, the test substrates were allowed to air-dry for one hour.
5. A *Clostridium difficile* suspension at approximately 1×10^6 CFU/mL was prepared for the challenge step.
6. The microbial suspension was distributed over each test slide. After a 90-minute contact period, environmental swabbing was performed.
7. Swabs were moistened with 3% normal saline and used for sampling the slide .
8. Surviving organisms were enumerated microbiologically and the percentage reduction was determined from the recovered counts.

5. Abrasion Conditions and Results

The results below summarize the performance observed after each glass slide treatment. The reported reduction values are reproduced from the study data.

Surface	Slide	Challenge / abrasion condition	Application / cleaning description	Log Reduction
Glass	1	No abrasion	No abrasion applied	> 6 Log
Glass	2	Hand abrasion	Surface rubbed by hand	> 6 Log

Glass	3	70% alcohol	Wiped using microfiber cloth	> 6 Log
Glass	4	Water only	Wiped using microfiber cloth	> 6 Log
Glass	5	Water + hand liquid soap	Cleaned using rough sponge	>5.3 log
Glass	6	Water + hand liquid soap	Cleaned using soft sponge	> 6 Log

6. Interpretation of Findings

The study data demonstrate a very high reduction of the challenged bacterial population across the tested materials and abrasion conditions.

7. Conclusion

Under the conditions evaluated, microSURE Hospital Grade Surface disinfectant demonstrated strong antimicrobial performance on the selected surface materials following the specified abrasion and cleaning challenges.

The findings support the conclusion that the microSURE Hospital Grade Surface disinfectant retained substantial residual antimicrobial performance after the tested surface disturbances. Any claim of compliance with a particular standard should, however, be interpreted within the exact scope and acceptance criteria of that standard and the test conditions used in this study.

Results Interpretation: NA

Reviewed by: Roaa Srour **Signature:** Roaa **Date:** 18/08/26

Approved by: Belal Alqubbaj **Signature:** **Date:** 18/08/26

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Notes:

- The results relate only to the item tested as received and may not represent the original batch
- Uncertainty is provided for the examination detailed in the report above , as requested by the customer.
- Sampling is not performed by InterPharma One
- It is the customer's responsibility to evaluate the compliance of these results to any regulatory requirement
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* In case of any deviation, testing is done upon customer consultation and the tested item may not represent the original batch