

EXAMPLE TEST REPORT #1
Formula Preservation
Report Transmittal and Recommendation

April 1, 1999

Mr./Mrs. Customer
Any Company
Any Town, USA

Dear Mr./Mrs. Customer,

Enclosed please find a copy of our microbiology laboratory report outlining preservation challenge test results conducted on your products containing Surcide P.

1. Dish Detergent Lot # 4444
2. Floor Finish Lot # 2222

Please note that Dish Detergent Lot # 4444 can be adequately preserved with 0.10% Surcide P.....
Floor Finish Lot # 2222 can be adequately preserved with 0.05% Surcide P.

Please feel free to contact me if you have any questions.

Very truly yours,



Donald F. Greene
Microbiologist

SURCIDE P
TECHNICAL SERVICE LABORATORY REPORT

REPORT NUMBER: 123-456

COMPANY: Any Company, USA

SAMPLE(S): 1) Dish Detergent, Lot # 4444
2) Floor Finish, Lot # 2222

Contamination Check

The samples were evaluated for microbial content and found to be free of contamination. From the unpreserved materials, 100g samples were made containing various levels of Surcide P.

Preservation Test

Each 100g sample was inoculated weekly with 0.5mL of a mixed suspension of bacteria (including *Pseudomonas*) and fungi (molds and yeasts) (minimum inoculum count 10^8 bacteria/ 10^6 fungi per mL). The organisms used had all previously been isolated from contaminated products. These organisms (similar to the products tested in this study) are more resistant and adaptable than pure cultures obtained from the American Type Culture Collection (ATCC); therefore it is generally accepted that organisms of this type are most suitable for this kind of preservation challenge testing.

Prior to each inoculation, small samples of test material were streaked onto Nutrient Agar (for bacteria) and Sabouraud Dextrose Agar (for fungi). The plates were incubated at 32°C for 48 hours and 22°C for 5 days respectively and observed for growth. Growth on a plate was taken as indicative of failure.

In our experience, samples withstanding 6 inoculations by this method can be considered satisfactorily preserved against the organism tested and there is a high probability that the product will be “adequately preserved”. It is impossible to determine if a product is adequately preserved against all types and strains of organism. However, positive results in this test are a very reliable indication of preservation activity during manufacture, use and storage.

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Results

Number of Survivors Detected after Inoculation Number

Dish Detergent Lot #4444	1	2	3	4	5	6
0.05% Surcide P	0	0	50 Bact	100 Bact	10,000 Bact 0 Fungi	10,000 Bact 0 Fungi
0.100% Surcide P	0	0	0	0	0	0
0.150% Surcide P	0	0	0	0	0	0
0.20% Surcide P	0	0	0	0	0	0
Dish Detergent Unpreserved Control	0	Low Bact 0 Fungi	1,000 Bact 0 Fungi	100,000 Bact 0 Fungi	100,000 Bact 0 Fungi	1,000,000 Bact 0 Fungi
Floor Finish Lot #2222						
0.05% Surcide P	0	0	0	0	0	0
0.100% Surcide P	0	0	0	0	0	0
0.150% Surcide P	0	0	0	0	0	0
0.20% Surcide P	0	0	0	0	0	0
Floor Finish Unpreserved Control	0	0	1,000 Bact 0 Fungi	100,000 Bact 1000 Fungi (Molds)	100,000 Bact >1000 Fungi (Molds)	1,000,000 Bact >1000 Fungi (Molds)

NOTE: 0 = <10 organisms/gram

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Comments/Discussions:

Dish Detergent Lot #4444

- 0.05% Surcide P – high level of bacteria were detected after inoculations #5 and #6 – fail
- 0.10%, 0.15%, 0.20% Surcide P – zero organisms were detected after all 6 inoculations – pass
- unpreserved control – low-high levels of bacteria were detected after inoculations #2 through #6 – fail

Floor Finish Lot #2222

- 0.05%, 0.10%, 0.15%, 0.20% Surcide P – zero organisms were detected after all 6 inoculations – pass
- unpreserved control – moderate – high levels of bacteria and fungi were detected after inoculations #3, #4, #5, and #6.

Conclusions:

Dish Detergent Lot #4444 can be adequately preserved with 0.10% Surcide P.

Floor Finish Lot #2222 can be adequately preserved with 0.05% Surcide P.

Donald F. Greene
Microbiologist

April 1, 1999

The information and recommendations set forth are based on our own research and that of others, and to the best of our knowledge believed to be correct. Suggestions made concerning uses or application are only the opinion of Surety Laboratories, Inc. and you should make your own tests to determine the suitability of this information for your own particular purpose. However, because of numerous factors affecting results, Surety Laboratories, Inc. makes no warranty of any kind, expressed or implied. Statements herein therefore, should not be construed as representations or warranties of any kind.