

CHALLENGE TEST acc. To European pharmacopoeia (5.1.3.)

Certificate number: SoapQ 14.001
Order number: 140666

Samples received: 04-07-2014
Test started: 09-07-2014

Test results

labnr	Growth after 6 hours					Growth after 24 hours					Growth after 7 days					Growth after 14 days					Growth after 28 days				
	Ec	Ps	St	Ca	As	Ec	Ps	St	Ca	As	Ec	Ps	St	Ca	As	Ec	Ps	St	Ca	As	Ec	Ps	St	Ca	As
666-01	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Short description of the method:

The sample is spiked with approx. 10^6 - 10^7 CFU/gram product, with each of the micro-organisms mentioned below.

After 6, 24 hours, 7,14 and 28 days. 10 µl aliquots of the sample are spread over the surface of the culture medium. (Tryptone Soya agar for the bacteria, Malt Extract agar for the yeast and moulds) and incubated 3 days at 30°C (bacteria) or 5 days at 25°C (yeast and moulds)

When the growth on the surface is equal or less than 1 (10^1 - 10^2 CFU/petridish) after 7 days (Bacteria) or 14 days (Yeast and moulds) the product passed the preservation efficacy test.

Abbreviations in the table:

Ps. = Pseudomonas aeruginosa St. = Staphylococcus aureus Ec = Escherichia coli Ca = Candida albicans As.= Aspergillus niger

OG = surface overgrowth with fungal mycelia. Bacteria/yeast growth can not be determined.

C = Colony

Numerical symbols in the tables:

Symbol	Estimated viable count (CFU/surface petridish)	Description of the microbial growth
5	$\geq 10^7$ - 10^8	Confluent growth (No single colonies visible)
4	10^5 - 10^6	Semi-confluent growth (single colonies visible)
3	10^4	Too numerous to count, but colony forming units detectable
2	10^3	Too numerous to count, CFU isolated
1	10^1 - 10^2	Number of isolated CFU
0		No micro-organisms detected