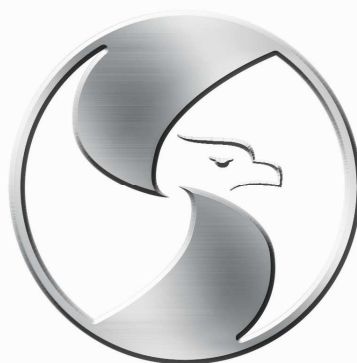


## CERTIFICAT D'ANALYSE MICROBIOLOGIQUE

Ref : 12BP077  
Réalisation selon la Norme ISO 22196  
02/11/2012

# HYGIOPUR



**SOFRAMAP**  
PEINTURES & REVÊTEMENTS

*Le partenaire de Votre succès !*

Support : Appliqué sur toile de verre Vitrulan référence 152

MICRO-ORGANISME		% DE BACTERIES ELIMINEES Après 24h de temps de contact
Escherichia coli	ATCC 8739	≥ 99,9 %
Staphylococcus aureus	ATCC 6538	≥ 99,9 %
MRSA	ATCC 33591	≥ 99,9 %
Enterococcus hirae	ATCC 10451	99,7 %
Pseudomonas aeruginosa	ATCC 9027	≥ 99,9 %
Acinetobacter baumannii	ATCC 19606	≥ 99,9 %
Streptococcus pneumoniae	ATCC 6305	≥ 99,9 %

**Thierry, Lacour / Doctorat en Biotechnologie**

**BioPreserv**, Espace Jacques Louis Lions, 4 traverse Dupont, 06130 Grasse, Tél : 04 89 85 60 28  
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## CERTIFICATE OF ANALYSIS

Page 1 of 1

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### SAMPLE DETAILS

DATE RECEIVED

11/09/2012

ORDER NO.

METHOD: Determination of Antibacterial Activity using Test Based on MOD ISO 22196

DATE ANALYSED

12/09/2012

DATE REPORTED

14/09/2012

### RESULTS (AS CFU CM<sup>-2</sup>)

SAMPLE	SPECIES	CONTACT TIME		REDUCTION (CONTROL)	
		0 hrs	24 hrs	Log 10	%
HYGIOPUR	<i>E coli</i>	8.5E+03	8.9E+01	4.2	≥ 99.99%
HYGIOPUR	<i>Staph aureus</i>	1.6E+04	< 11.11	≥ 3.14	≥ 99.93%

Key: NS = Poor survival on control supplied.

The above data show the difference in the population following contact with the surface of the samples listed for 24 hours at 35°C under a RH of > 95% relative to the control sample.

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MANAGING DIRECTOR  
Peter D Askew



## CERTIFICATE OF ANALYSIS

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1019969.307/7210

CUSTOMER REF.

835C

### SAMPLE DETAILS

DATE RECEIVED

23/10/2012

ORDER NO.

METHOD: Determination of Antibacterial Activity using Test Based on MOD ISO 22196

DATE ANALYSED

24/10/2012

DATE REPORTED

26/10/2012

### RESULTS (AS CFU CM<sup>-2</sup>)

SAMPLE	SPECIES	CONTACT TIME		REDUCTION (CONTROL)	
		0 hrs	24 hrs	Log 10	%
POLYPROPYLENE	<i>Acinetobacter baumannii</i>	1.7E+04	2.9E+05		
HYGIOPUR	<i>Acinetobacter baumannii</i>	1.7E+04	< 11.11	≥ 4.42	≥ 99.99%
POLYPROPYLENE	<i>Enterobacter aerogenes</i>	1.5E+04	2.7E+05		
HYGIOPUR	<i>Enterobacter aerogenes</i>	1.5E+04	< 11.11	≥ 4.39	≥ 99.99%
POLYPROPYLENE	<i>Enterococcus faecalis</i>	1.7E+04	1.2E+05		
HYGIOPUR	<i>Enterococcus faecalis</i>	1.7E+04	< 11.11	≥ 4.02	≥ 99.99%
POLYPROPYLENE	<i>Ps. aeruginosa</i>	1.5E+04	1.3E+05		
HYGIOPUR	<i>Ps. aeruginosa</i>	1.5E+04	< 11.11	≥ 4.07	≥ 99.99%

Key: NS = Poor survival on control supplied.

The above data show the difference in the population following contact with the surface of the samples listed for 24 hours at 35°C under a RH of > 95% relative to the control sample.

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