

TEST REPORT N. 20/000304414

date of issue 07/08/2020

Customer ID 0083363

Messrs
EVO PDI SRL
VIA SAN PIO DA PIETRALCINA
19/21
20010 POGLIANO MILANESE
MI
IT

Sample information

Acceptance number 20.516613.0001
 Delivered by Fedex on 27/05/2020
 Receiving Date 27/05/2020
 Place of origin EVO PDI SRL VIA SAN PIO DA PIETRALCINA 19/21 20010 POGLIANO MILANESE MI IT
 Sample Description EN 13697: QUANTITATIVE NONPOROUS SURFACE TEST FOR EVALUATION OF BACTERICIDAL ACTIVITY OF CHEMICAL DISINFECTANT 2,2

Sampling information

Sampled by Customer

ANALYTICAL RESULTS

	Value/ Uncertainty	Unit of measure	LoQ	LoD	Start/end date of analysis	Op. units	Line
ON SAMPLE AS IT IS							1
SURFACE TEST OF BACTERICIDAL ACTIVITY <small>Met.: BS EN 13697:2015-A1:2019</small>	view attached report				04/06/2020- -06/08/2020	09	2

Operative units

Unit 09 : Via Fratta Resana PHARMA TV

Information provided by the client

Sampled by: Customer
 Pic Address: EVO PDI SRL VIA SAN PIO DA PIETRALCINA 19/21 20010 POGLIANO MILANESE MI IT
 Description: EN 13697: QUANTITATIVE NONPOROUS SURFACE TEST FOR EVALUATION OF BACTERICIDAL ACTIVITY OF CHEMICAL DISINFECTANT 2,2

Biologist responsible
Dott.ssa Federica Cattapan <small>Ordine nazionale dei biologi Albo professionale n.045961 sez.A</small>
<small>Num. certificato 18128093 emesso dall'ente certificatore ArubaPEC S.p.A. NG CA 3, ArubaPEC S.p.A., IT</small>

Report digitally signed in accordance with Legislative Decree No.82 of March, the 7th, 2005 and s.m.i

The results contained in this Test Report refer only to the analyzed sample. The test report shall not be reproduced except in full, without written approval of Chelab laboratory.

- If not otherwise specified, the uncertainty is extended and has been calculated with a coverage factor $k=2$ corresponding to a probability interval of about 95%. - LoD is the detection limit and identifies a confidence interval of zero with a probability interval of about 99%. - LoQ is the limit of quantification. "n.d." is not detected and indicates a value inferior to the LoD. "traces X" means a value between LoD and LoQ, this value is indicative. "x" or "x" indicate inferior or superior to the measurement field of the test. - If not differently specified, the sums are calculated by lower bound criteria. L.B. - In case of alteration of the sample the laboratory declines any responsibility on the results that can be influenced by the deviation in case the customer asks for the execution of the test anyway. - If the sampling is not carried out by the laboratory staff, the results obtained are considered referring to the sample as received and the laboratory declines its responsibility for the results calculated considering the sampling data provided by the Customer. The name and contact information of the Customer are always provided by the Customer. - If not differently specified the quantitative microbiological tests excluded MPN are performed on single repetition and two consecutive dilutions in accordance to ISO 7218:2007/Amd1:2013.

Laboratory

CHELAB SRL MÉRIEUX NUTRISCIENCES
25, VIA FRATTA
31023 RESANA
ITALY

Client

EVO PDI SRL
VIA SAN PIO DA PIETRALCINA
19/21
20010 POGLIANO MILANESE (MI)
IT

EVO SRW-30

Evaluation of bactericidal activity according to BS EN 13697:2015 + A1:2019

Prepared by: Lelia Vecchio

Date: 07/07/2020

1. Reference Standard:

BS EN 13697:2015 + A1:2019

Chemical disinfectants and antiseptics – Quantitative non-porous surface test for the evaluation of bactericidal and/or fungicidal activity of chemical disinfectants used in the food, industrial, domestic and institutional area – Test method and requirements (phase 2, step 2)

2. Sample Identification:

Product name	EVO SRW-30
Batch number	n.a.
Manufacturing date	n.a.
Expiry date	n.a.
Laboratory number	20.516613.0001
Receiving date	04/06/2020
Storage conditions	RT, darkness
Product appearance	liquid, clear, colourless
Active substances	n.a.

3. Evaluation of bactericidal activity according to BS EN 13697:2015 + A1:2019

3.1 Test Method: Dilution Neutralization

3.2 Product test concentrations

dilution	preparation	appearance
100%	product as it is	liquid, clear, colourless
60%	solution 60% (v/v) in distilled water	liquid, clear, colourless
50%	solution 50% (v/v) in distilled water	liquid, clear, colourless

3.3 Test conditions

Test strains (standard)	<i>Staphylococcus aureus</i> ATCC 6538 <i>Pseudomonas aeruginosa</i> ATCC 15442 <i>Escherichia coli</i> ATCC 10536 <i>Enterococcus hirae</i> ATCC 10541
Contact time	60 min ± 10 sec (standard)
Test temperature	18-25 °C ± 1 °C (standard)
Interfering substance	Bovine albumin 0.3 g/l (clean conditions)
Incubation conditions	36 °C ± 1 °C for 24-48 hours

3.4 Materials and reagents

Diluent	Peptone Saline Diluent
Incubation medium	Tryptone Soy Agar
Test surface	Stainless steel discs
Neutralizer	Lecithin 3 g/l Polysorbate 80 30 g/l L-Histidine 1 g/l Sodium Thiosulfate 5 g/l Saponin 30 g/l Phosphate Buffer 10 ml/l Water

3.5 Remarks

Product on dried surface	homogeneous, clear, no reaction
All controls and validations were within the basic limits	
At least one concentration of the product demonstrated a $R < 4$	

3.6 Results: see tables 1-2

3.7 Testing period: 01/07/2020 – 03/07/2020

4. Conclusions

According to BS EN 13697:2015 + A1:2019, the test product EVO SRW-30 has activity ($R \geq 4$) for general purposes surface disinfection when used at concentration

- 100% (product as it is)

under the following test conditions

- Contact time: 60 min \pm 10 sec (standard)
- Temperature: 18-25 °C \pm 1 °C (standard)
- Interfering substance: Bovine albumin 0.3 g/l (clean conditions)
- Test strains: *Pseudomonas aeruginosa* ATCC 15442
Escherichia coli ATCC 10536