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Chemical and Microbiological Laboratory, Testing Laboratory No. 1273 certified by Czech Accreditation Institute according to ČSN EN ISO/IEC 17025:2005.

Copy No.: 1
Issue No.: 2

Test report No. D271/2016

DETERMINATION OF BACTERICIDAL (EN 13727+A2, EN 14561),
YEASTICIDAL (EN 13624, EN 14562), MYCOBACTERICIDAL AND
TUBERCULOCIDAL (EN 14563), SPORICIDAL (EN 13704, EN 14347)
ACTIVITY OF THE PRODUCT **DETROCID ACTIV**
DETERMINATION OF VIRUCIDAL ACTIVITY (EN 14476+A1) OF THE
PRODUCT **DETROCID ACTIV**

Sample ID: D271/2016

Sample name: **DETROCID ACTIV**

Client: Detro Healthcare Kimya San. A.S., Atatürk Mah. Adnan Menderes Cad. No.7 Esenyurt / Istanbul, TURKEY

Producer: Detroks Kim.ve Sag.Ürn.Ürt.Dag.San.Tic.Ltd.Sti, Atatürk Mah. Adnan Menderes Cad. No.7 Esenyurt / Istanbul, TURKEY

Sampling point: Detroks Kim.ve Sag.Ürn.Ürt.Dag.San.Tic.Ltd.Sti, Atatürk Mah. Adnan Menderes Cad. No.7 Esenyurt / Istanbul, TURKEY

Page: 1

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Incoming date:
17.10.2016

Delivery date:
22.1.2019

Hodonín, 22.1.2019

Ing. Jana Štroblová, Head of Laboratory



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Description: Testing the efficacy of chemical disinfectants and antiseptics

Sample ID: D271/2016

Rep No: 257

Sample name: **DETROCID ACTIV**

Sampled: by client

Sampling point: Detroks Kim.ve Sag.Ürn.Ürt.Dag.San.Tic.Ltd.Sti, Atatürk Mah. Adnan Menderes Cad. No.7 Esenyurt / Istanbul, TURKEY

Client: Detro Healthcare Kimya San. A.S., Atatürk Mah. Adnan Menderes Cad. No.7 Esenyurt / Istanbul, TURKEY

Sampling date: 10.10.2016

Sample delivered: 17.10.2016

Testing date: 28.11.2016–5.5.2017

Delivered amount: 3 x 0.5 l

Batch No: 3442016001

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Interpretation:

Results of tests are in Tabs.

According to EN 13727:2012+A2:2015 the tested product **DETROCID ACTIV**, batch No. 3442016001, in the concentration 0.5%, diluted in hard water, and in the contact time 5 min under dirty conditions at temperature $20\text{ }^{\circ}\text{C} \pm 1\text{ }^{\circ}\text{C}$ by the dilution neutralization method **decreased** the number of alive microbes *Pseudomonas aeruginosa* ATCC 15442, *Staphylococcus aureus*.ATCC 6538, *Enterococcus hirae* ATCC 10541, *Escherichia coli* ATCC 10536 by at least 5 (lg) orders.

The tested product **DETROCID ACTIV**, batch No. 3442016001, in the concentration 0.5%, diluted in hard water, and in the contact time 5 min under dirty conditions at temperature $20\text{ }^{\circ}\text{C} \pm 1\text{ }^{\circ}\text{C}$ by the dilution neutralization method **decreased** on carriers the number of alive microbes *Pseudomonas aeruginosa* ATCC 15442, *Staphylococcus aureus* ATCC 6538, *Enterococcus hirae* ATCC 10541, *Escherichia coli* ATCC 10536 by at least 5 (lg) orders (EN 14561:2006).

According to EN 13624:2013 the tested product **DETROCID ACTIV**, batch No. 3442016001, in the concentration 0.5%, diluted in hard water, and in the contact time 5 min under dirty conditions at temperature $20\text{ }^{\circ}\text{C} \pm 1\text{ }^{\circ}\text{C}$ by the dilution neutralization method **decreased** the number of alive microbes *Candida albicans* ATCC 10231 by at least 4 (lg) orders.

The tested product **DETROCID ACTIV**, batch No. 3442016001, in the concentration 0.5%, diluted in hard water, and in the contact time 5 min under dirty conditions at temperature $20\text{ }^{\circ}\text{C} \pm 1\text{ }^{\circ}\text{C}$ by the dilution neutralization method **decreased** on carriers the number of alive microbes *Candida albicans* ATCC 10231 by at least 4 (lg) orders (EN 14562:2006).

The tested product **DETROCID ACTIV**, batch No. 3442016001, in the concentration 2.0%, diluted in hard water, and in the contact time 5 min under dirty conditions at temperature $20\text{ }^{\circ}\text{C} \pm 1\text{ }^{\circ}\text{C}$ by the dilution neutralization method **decreased** on carriers the number of alive microbes *Mycobacterium avium* ATCC 15769, *Mycobacterium terrae* ATCC 15755 by at least 4 (lg) orders (EN 14563:2008).

The tested product **DETROCID ACTIV**, batch No. 3442016001, in the concentration 2.0%, diluted in hard water, and in the contact time 10 min under clean conditions at temperature $20\text{ }^{\circ}\text{C} \pm 1\text{ }^{\circ}\text{C}$ by the dilution neutralization method **decreased** the number of bacterial spores *Bacillus subtilis* ATCC 6633 by at least 3 (lg) orders (EN 13704).

The tested product **DETROCID ACTIV**, batch No. 3442016001, in the concentration 2.0%, diluted in hard water, and in the contact time 10 min under distilled water conditions at temperature $20\text{ }^{\circ}\text{C} \pm 1\text{ }^{\circ}\text{C}$ by the dilution neutralization method **decreased** the number of alive microbes *Bacillus subtilis* ATCC 6633, *Bacillus cereus* ATCC 12826 by at least 4 (lg) orders (EN 14347:2005).

According to EN 14476:2013+A1:2015 the tested product **DETROCID ACTIV**, batch No. 3442016001, in the concentration 2.0%, diluted in hard water, and in the contact time 10 min under dirty conditions at temperature $20\text{ }^{\circ}\text{C} \pm 1\text{ }^{\circ}\text{C}$ **proved** by the method of virus titration on monolayers of cells on microtitre plates to reduce the number of infectious *Adenovirus* type 5, strain Adenoid 75, ATCC VR-5 particles under defined conditions by at least 4 (lg) orders.

Description: *Testing the efficacy of chemical disinfectants and antiseptics*

Sample ID: D271/2016

Rep No: 257

Sample name: **DETROCID ACTIV**

Sampled: by client

Sampling point: Detroks Kim.ve Sag.Ürn.Ürt.Dag.San.Tic.Ltd.Sti, Atatürk Mah. Adnan Menderes Cad. No.7
Esenyurt / Istanbul, TURKEY

Client: Detro Healthcare Kimya San. A.S., Atatürk Mah. Adnan Menderes Cad. No.7 Esenyurt / Istanbul,
TURKEY

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Interpretation:

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According to EN 14476:2013+A1:2015 the tested product **DETROCID ACTIV**, batch No. 3442016001, in the concentration 2.0%, diluted in hard water, and in the contact time 10 min under dirty conditions at temperature $20^{\circ}\text{C} \pm 1^{\circ}\text{C}$ **proved** by the method of virus titration on monolayers of cells on microtitre plates to reduce the number of infectious *Murine norovirus (MNV)* strain S99, RVB-651 particles under defined conditions by at least 4 (lg) orders.

According to EN 14476:2013+A1:2015 the tested product **DETROCID ACTIV**, batch No. 3442016001, in the concentration 2.0%, diluted in hard water, and in the contact time 10 min under dirty conditions at temperature $20^{\circ}\text{C} \pm 1^{\circ}\text{C}$ **proved** by the method of virus titration on monolayers of cells on microtitre plates to reduce the number of infectious *Poliovirus* type 1, LSc-2ab, particles under defined conditions by at least 4 (lg) orders.

Conclusion:

The product **DETROCID ACTIV** is capable of reducing the number of viable bacterial and vegetative yeast cells of the relevant organisms in the suspension and on carriers under defined conditions to the declared values, and consequently, may be called bactericidal and yeasticidal.

The product **DETROCID ACTIV** is capable of reducing the number of viable mycobacterial cells of the relevant organisms on carriers under defined conditions to the declared values, and consequently, may be called mycobactericidal and tuberculocidal on carriers.

The product **DETROCID ACTIV** is capable of reducing the number of bacterial spores of the relevant organisms under defined conditions to the declared values, and consequently, may be called sporicidal.

The product **DETROCID ACTIV** is capable of reducing the number of infectious *Adenovirus*, *Poliovirus* and *Murine norovirus* particles under defined conditions to the declared values, and consequently, may be called virucidal.

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22.1.2019, Hodonín

Ing. Barbora Stoklásková, Leader of Study

