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**Determination sporicidal activity  
of chloramix<sup>®</sup> dt (sample no. 2971)  
according to the EN 17126**

**Summary Report**

Laboratory expertise no. 201509/2020

Date of the expert report: February 8, 2021

**Sporicidal activity**



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## Characteristics of presented sample

**Contracting authority:** Schulke CZ, s.r.o.,  
Lidická 445, 735 81 Bohumín

**Manufacturer:** Schulke CZ, s.r.o.,  
Lidická 445, 735 81 Bohumín

**Product description:** (according to manufacturer's specification)  
**Product chloramix<sup>®</sup> dt (sample no. 2971) is white tablets.**

**Product composition (active substances):** sodium dichloroisocyanurate, dihydrate  
750g/kg (EC 220-767-7).

**Use of product:** Chlorine-based tablet disinfectant suitable for disinfection of all washable surfaces, surfaces and objects in healthcare, institutions, food industry and municipal hygiene.

### **Documentation included:**

Not indicated

Subject of expertise was the interpretation of results of the fungicidal efficiency of the submitted samples in laboratory experiments.

## **Interpretation of laboratory tests results**

**Product chloramix<sup>®</sup> dt (Laboratory sample No. 2971) demonstrated the sporicidal activity (according to the EN 17126) against *Clostridium difficile* in concentration 1 tbl / 1,5 l hard water for 15, 30 and 60 minutes at 20 °C under clean (bovine albumin 0,3 g/l) and dirty (bovine albumin 3,0 g/l plus erythrocytes 3,0 ml/l) conditions, for products used in the Medical area.**

**Product chloramix<sup>®</sup> dt (Laboratory sample No. 2971) demonstrated the sporicidal activity (according to the EN 17126) in concentration 1 tbl / 1,5 l hard water for 30 and 60 minutes at 20 °C under clean (bovine albumin 0,3 g/l) and dirty (bovine albumin 3,0 g/l plus erythrocytes 3,0 ml/l) conditions, for products used in the Medical area.**

The samples were not evaluated in terms of cleaning performance, corrosivity, toxicity, irritability and safety. This report applies only to the samples submitted and

the conclusions drawn from this expertise can be applied to other products of the same kind only if their composition, contents and properties completely match the samples under testing.

The presented test results relate only to the samples referred to in this protocol and are not intended to replace other official manufacturer's documentation.

The protocol can be reproduced only in complete form with the written consent of the testing laboratory.

## **Determination sporicidal activity of chloramix<sup>®</sup> dt (sample no. 2971) according to the EN 17126**

The microbicidal effectiveness of disinfectants is determined by the following method:

### Accredited method

1. Quantitative suspension test for the evaluation of sporicidal activity of chemical disinfectants and antiseptics according to the EN 17126 in the medical area.

The test method used for evaluation of the sporicidal activity of disinfectants is processed based on selected methods according to the EN 14885 (EN 17126). This is a quantitative method. The method is not accredited according to the EN ISO/IEC 17025:2018.

National Reference Laboratory for disinfection and sterilization is "testing laboratory no. 1206.4 accredited by Czech Accreditation Institute according to the standard EN ISO / IEC 17025:2018".

### **Results - accredited methods**

More information you will find in the report of the outcome of laboratory test No. 950/2021 - Annex).

**The sporicidal activity against *Clostridium difficile* for the product chloramix<sup>®</sup> dt (laboratory sample No. 2971), determined for general purposes according to the EN 17126 standard (obligatory conditions) under clean conditions is:**

**According to the EN 17126, the product chloramix<sup>®</sup> dt (laboratory sample No. 2971), demonstrates sporicidal activity against *Clostridium difficile* in**

concentration 1 tablet per 1,5 liter of hard water for 15, 30 and 60 minutes at 20 °C under clean conditions (bovine albumin 0,3 g/l).

A reduction of spores of 4 log was noticed. This reduction guarantees according to the EN 17126 sporicidal activity against *Clostridium difficile* for products used in the Medical area.

The sporicidal activity against *Clostridium difficile* was tested on test organism *Clostridium difficile* spores.

The sporicidal activity for the product chloramix® dt (laboratory sample No. 2971), determined for general purposes according to the EN 17126 standard (obligatory conditions) under clean conditions is:

According to the EN 17126, the product chloramix® dt (laboratory sample No. 2971), demonstrates sporicidal activity in concentration 1 tablet per 1,5 liter of hard water for 30 and 60 minutes at 20 °C under clean conditions (bovine albumin 0,3 g/l).

A reduction of spores of 4 log was noticed. This reduction guarantees according to the EN 17126 sporicidal activity for products used in the Medical area.

The sporicidal activity was tested on test organisms *Bacillus subtilis* spores and *Bacillus cereus* spores.

The sporicidal activity against *Clostridium difficile* for the product chloramix® dt (laboratory sample No. 2971), determined for general purposes according to the EN 17126 standard (obligatory conditions) under dirty conditions is:

According to the EN 17126, the product chloramix® dt (laboratory sample No. 2971), demonstrates sporicidal activity against *Clostridium difficile* in concentration 1 tablet per 1,5 liter of hard water for 15, 30 and 60 minutes at 20 °C under dirty conditions (bovine albumin 3,0 g/l plus erythrocytes 3,0 ml/l).

A reduction of spores of 4 log was noticed. This reduction guarantees according to the EN 17126 sporicidal activity against *Clostridium difficile* for products used in the Medical area.

The sporicidal activity against *Clostridium difficile* was tested on test organism *Clostridium difficile* spores.

The sporicidal activity for the product chloramix® dt (laboratory sample No. 2971), determined for general purposes according to the EN 17126 standard (obligatory conditions) under dirty conditions is:

According to the EN 17126, the product chloramix® dt (laboratory sample No. 2971), demonstrates sporicidal activity in concentration 1 tablet per 1,5 liter of hard water for 30 and 60 minutes at 20 °C under dirty conditions (bovine albumin 3,0 g/l plus erythrocytes 3,0 ml/l).

A reduction of spores of 4 log was noticed. This reduction guarantees according to the EN 17126 sporicidal activity for products used in the Medical area.

The sporicidal activity was tested on test organisms *Bacillus subtilis* spores and *Bacillus cereus* spores.

#### **References:**

1. EN 17126 (December 2018) - Chemical disinfectants and antiseptics – Quantitative suspension test for the evaluation of sporicidal activity of chemical disinfectants in the medical area - Test method and requirements (phase 2, step 1)
2. EN 14885 (August 2015) – Chemical disinfectants and antiseptics – Application of European Standards for chemical disinfectants and antiseptics