**MP BIO d.o.o.**
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Number: ML0603
Date: 19.11.2020

# OPINION

ACCORDING TO THE ANALYSIS REPORT ID: ML0603 DATED 19.11.2020

Received sample (ID: ML060301)

## Aqualor H 1000

*$Active substrance: Active chlorine, obtained from sodium chloride by electrolysis in device Hlorogen®, concentration 0,1% in product*

was tested according to Low on biocidal product (Official Gazette RS, no. 36/09, 88/10, 92/11, 25/11) Article 14, Item 5 and according to Guidelines for evaluation of biocidal product based on technical dosie (Official Gazette of RS, no. 28/11) Item 3.6.2, and based on results of the tests:

- **bactericidal activity for hygienic handrub, surgical handrub, surface disinfection and instrument disinfection, under dirty conditions**, **according to SRPS EN 13727:2017**, has tested concentration of product 80 % (v/v), under test conditions: test organisms *Pseudomonas aeruginosa* ATCC 15442, *Escherichia coli* K12 NCTC 10538, *Staphylococcus aureus* ATCC 6538, *Enterococcus hirae* ATCC 10541 and additional test organism *Proteus hauseri* ATCC 13315, test temperature 20 °C, interfering substances 3 g/l albumin bovine fraction V + 3 g/l sheep blood erythrocytes, and required 5 log reduction, for tested contact time 1 minute,

- **yeasticidal activity for surface disinfection and instrument disinfection, under dirty conditions, according to SRPS EN 13624:2014**, has concentration of product 80% (v/v), under test conditions: test organism *Candida albicans* ATCC 10231, test temperature 20 °C, interfering substances 3 g/l albumin bovine fraction V + 3 g/l sheep blood erythrocytes, and required 4 log reduction, for tested contact time 5 minutes,

- **fungicidal activity for surface disinfection and instrument disinfection, under dirty conditions, according to SRPS EN 13624:2014**, has tested concentration of product 80% (v/v), under test conditions: test organisms *Candida albicans* ATCC 10231, *Aspergillus brasiliensis* ATCC 16404, test temperature 20 °C, interfering substance 3 g/l albumin bovine fraction V + 3 g/l sheep blood erythrocytes, and required 4 log reduction:
  - has concentration of product 80% (v/v) for contact time 5 minutes, because of limiting microorganism *Candida albicans* ATCC 10231, which did not show 4 log reduction for contact time 1 minute,
  - under stated requirements of standard, activity on *Aspergillus brasiliensis* ATCC 16404 have tested concentrations of product 80% (v/v) and 40 % (v/v) for contact time 1 minute.

- $submitted information for which MP Lab - Laboratory for analysis does not take responsibility: active substances and concentrations of active substances
- concentration of product 80% (v/v) is equivalent to content of 0,08% active chlorine in product
- concentration of product 40% (v/v) is equivalent to content of 0,04% active chlorine in product
- SRPS EN 13727:2017, Hemijski dezinficijensi i antiseptici – Kvantitativni suspenzioni test za vrednovanje baktericidnog dejstva u oblasti medicine – Metode ispitivanja i zahtevi (faza 2, korak 1), identical to EN 13727:2012+A2:2015, Chemical disinfectants and antiseptics - Quantitative suspension test for the evaluation of bactericidal activity in the medical area - Test method and requirements (phase 2, step 1)
- SRPS EN 13624:2014, Hemijska dezinfekciona sredstva i antiseptici — Kvantitativno ispitivanje suspenzije za vrednovanje fungicidnog dejstva ili dejstva na kvasce u oblasti medicine — Metoda ispitivanja i zahtevi (faza 2, korak 1), identical to EN 13624:2013, Chemical disinfectants and antiseptics. Quantitative suspension test for the evaluation of fungicidal or yeasticidal activity in the medical area. Test method and requirements (phase 2, step 1)

Head of Laboratory

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Submitted to:
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2. Archives