



ИНСТИТУТ ЗА ОПШТУ И ФИЗИЧКУ ХЕМИЈУ INSTITUTE OF GENERAL AND PHYSICAL CHEMISTRY

BELGRADE, 29.10.2024

PIKUA RENSE PTY LTD

EXPERT OPINION

According to analysis of sample named as

PIKUA RENSE PTY LTD (*DANKA RANGE*)

Contains:

[REDACTED], and stabilisers

Sample was tested in accordance to Article 13 of Law on biocidal product (Official Gazette RS, no. 109/21) and based on results of the tests:

- **bactericidal activity for general purposes** according to SRPS EN 1276:2019, under clean conditions, have tested concentration of prepared product 80 % (v/v) and 50 % (v/v), under test conditions: test organisms *Pseudomonas aeruginosa* ATCC 15442, *Escherichia coli* ATCC 10536, *Staphylococcus aureus* ATCC 6538, *Enterococcus hirae* ATCC 10541, test temperature 20 °C, interfering substance 0,3 g/l albumin bovine fraction V, and required 5 log reduction, for tested contact times 1 minute and 3 minutes,
- **bactericidal activity for hygienic hand rub**, according to SRPS EN 1276:2019, under clean conditions, have tested concentration of prepared product 80 % (v/v) and 50 % (v/v), under test conditions: test organisms *Pseudomonas aeruginosa* ATCC 15442, *Escherichia coli* K12 NCTC 10538, *Staphylococcus aureus* ATCC 6538, *Enterococcus hirae* ATCC 10541, test temperature 20 °C, interfering substance 0,3 g/l albumin bovine fraction V, and required 5 log reduction, for tested contact time 1 minute,
- **yeastcidal activity for hygienic hand rub**, according to SRPS EN 1650:2019, under clean conditions, have tested concentrations of prepared product 80 % (v/v) and 50% (v/v), under test conditions: test organism *Candida albicans* ATCC 10231, test temperature 20 °C, interfering substance 0,3 g/l albumin bovine fraction V, and required 4 log reduction, for tested contact time 1 minute,
- **fungicidal activity for general purposes**, according to SRPS EN 1650:2019, under clean conditions, have tested concentrations of prepared product 80 % (v/v) and 50% (v/v), under test conditions: test organisms *Candida albicans* ATCC 10231, *Aspergillus brasiliensis* ATCC 16404, test temperature 20 °C, interfering substance 0,3 g/l albumin bovine fraction V, and required 4 log reduction, for tested contact times 1 minute and 3 minutes.

- the tested product concentration of 100% is equivalent to concentration of 6 g/l
- the tested product concentration of 50% is equivalent to concentration of 3 g/l
- 1 minute = 60 seconds

SRPS EN 1276:2019, identical to EN 1276:2019, Chemical disinfectants and antiseptics – Quantitative suspension test for evaluation of bactericidal activity of chemical disinfectants and antiseptics in food, industrial, domestic and institutional areas – Test method requirements (phase 2, step 1)

SRPS EN 1650:2019 identical to EN 1650:2019, Chemical disinfectants and antiseptics – Quantitative suspension test for evaluation of fungicidal or yeasticidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional method and requirements (phase 2, step 1)

We take this opportunity to remind you that the IOFH (Institute of General and Physical Chemistry, www.iofh.bg.ac.rs) is an accredited "research and development institute" by the Ministry of Science and Technological Development of the RS, in the field of chemistry and physical chemistry and have SRPS ISO 17025:2017 accreditation certificate.

If you have any questions, feel free to contact us.

We sincerely hope that this information will help you in your further work,

Best regards,



dr Aleksandra Radulović, Head of Lab



dr Stevan Blagojević, gen manager

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