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NO: SAMM 823

LABORATORY LOCATION:
(PERMANENT LABORATORY)

VIROXY SDN. BHD.
6TH FLOOR, MENARA RKT
NO. 36, JALAN RAJA ABDULLAH
50300 KUALA LUMPUR
MALAYSIA

FIELDS OF TESTING: **MICROBIOLOGICAL AND CHEMICAL**

This laboratory has demonstrated its technical competence to operate in accordance with MS ISO/IEC 17025:2017 (ISO/IEC 17025:2017).

This laboratory's fulfillment of the requirements of ISO/IEC 17025 means the laboratory meets both the technical competence requirements and management system requirements that are necessary for it to consistently deliver technically valid test results and calibrations. The management system requirements in ISO/IEC 17025 are written in language relevant to laboratory operations and operate generally in accordance with the principles of ISO 9001 (see Joint ISO-ILAC-IAF Communiqué dated April 2017).

SCOPE OF TESTING: MICROBIOLOGICAL

Materials/ Products Tested	Type of Test/ Properties Measured/ Range of Measurement	Standard Test Methods/ Equipment/Techniques
Microbiological Chemical Disinfectants and Antiseptics	Quantitative suspension test for the evaluation of bactericidal activity in the medical area	EN 13727: 2012+A2: 2015 (E)
	Quantitative suspension test for the evaluation of fungicidal or yeasticidal activity in the medical area	EN 13624: 2021 (E)
	Quantitative suspension test for the evaluation of basic fungicidal or basic yeasticidal activity of chemical disinfectants and antiseptics	EN 1275: 2005 (E) (Dilution-neutralization Method)
	Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas	EN 1276: 2019 (E) (Dilution-neutralization Method)
	Quantitative suspension test for the evaluation of mycobactericidal activity of chemical disinfectants in the medical area including instrument disinfectants	EN 14348: 2005 (E)

SCOPE OF TESTING: MICROBIOLOGICAL

Materials/ Products Tested	Type of Test/ Properties Measured/ Range of Measurement	Standard Test Methods/ Equipment/Techniques
MICROBIOLOGICAL Chemical Disinfectants and Antiseptics (continued)	Quantitative suspension test for the evaluation of basic bactericidal activity or chemical disinfectants and antiseptics	EN 1040: 2005 (E) (Dilution-neutralization Method)
	Quantitative suspension test for the evaluation of fungicidal or yeasticidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas	EN 1650: 2019 (E) (Dilution-neutralization Method)
	Quantitative suspension test for the evaluation of fungicidal or yeasticidal activity of chemical disinfectants and antiseptics used in the veterinary area	EN 1657: 2016 (E)
	Quantitative non-porous surface test for the evaluation of bactericidal and/or fungicidal activity of chemical disinfectants used in food, industrial, domestic and institutional areas	EN 13697: 2015+ A1: 2019(E)
	Quantitative carrier test for the evaluation of bactericidal activity for instruments used in the medical area	EN 14561: 2006 (E)
	Quantitative carrier test for the evaluation of fungicidal or yeasticidal activity for instruments used in the medical area	EN 14562: 2006 (E)
	Quantitative carrier test for the evaluation of mycobactericidal or tuberculocidal activity of chemical disinfectants used for instruments in the medical area	EN 14563: 2008 (E)
	Quantitative suspension test for the evaluation of mycobactericidal activity of chemical disinfectants and antiseptics used in the veterinary area	EN 14204: 2012 (E) (Dilution-neutralization Method)

SCOPE OF TESTING: MICROBIOLOGICAL

Materials/ Products Tested	Type of Test/ Properties Measured/ Range of Measurement	Standard Test Methods/ Equipment/Techniques
Microbiological Chemical Disinfectants and Antiseptics (continued)	Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in the veterinary area	EN 1656: 2019 (E) (Dilution-neutralization Method)
	Quantitative surface test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in the veterinary area on non-porous surfaces without mechanical action	EN 14349: 2012 (E)
	Quantitative surface test for the evaluation of fungicidal or yeasticidal activity of chemical disinfectants and antiseptics used in the veterinary area on non-porous surface without mechanical action	EN 16438: 2014 (E)
	Hygienic handwash	EN 1499: 2013 (E)
	Hygienic handrub	EN 1500: 2013 (E)
	Surgical hand disinfection	EN 12791: 2016+A1: 2017 (E)
	Quantitative suspension test for the evaluation of sporicidal activity of chemical disinfectants used in food, industrial, domestic and institutional areas	EN 13704: 2018 (E)
	Quantitative test method for the evaluation of bactericidal and yeasticidal activity on non-porous surfaces with mechanical action employing wipes in the medical area (4-field test)	EN 16615: 2015 (E)
	Chemical disinfectants and antiseptics. Quantitative test for the evaluation of bactericidal and yeasticidal and/or fungicidal activity of chemical disinfectants in the medical area on non-porous surfaces without mechanical action.	EN 17387: 2021

SCOPE OF TESTING: MICROBIOLOGICAL

Materials/ Products Tested	Type of Test/ Properties Measured/ Range of Measurement	Standard Test Methods/ Equipment/Techniques
	Chemical disinfectants and antiseptics - Methods of airborne room disinfection by automated process - Determination of bactericidal, mycobactericidal, sporicidal, fungicidal, yeasticidal, virucidal and phagocidal activities	EN 17272: 2020
	Quantitative surface test for the evaluation of residual antimicrobial (bactericidal and/or yeasticidal) efficacy of liquid chemical.	PAS 2424: 2014
	Measurement of antibacterial activity on plastics and other non-porous surfaces	ISO 22196:2011
	Textiles- Determination of antibacterial activity of textile products.	ISO 20743: 2013
	Germicidal spray products as disinfectant	AOAC 961.02 (2009)
	Quantitative surface test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in veterinary area on porous surfaces without mechanical action	EN 16437:2014+A1:2019 (E)
	Quantitative suspension test for the evaluation of sporicidal activity of chemical disinfectants in the medical area	EN 17126: 2018(E)

SCOPE OF TESTING: MICROBIOLOGICAL

Materials/ Products Tested	Type of Test/ Properties Measured/ Range of Measurement	Standard Test Methods/ Equipment/Techniques
Microbiological Chemical Disinfectants and Antiseptics (continued)	Determination of the bacteriostatic and yeaststatic activity as well as a suitable neutralizer	VAH Method 7
	Determination of the bactericidal and yeasticidal activity in the qualitative suspension test	VAH Method 8
	Determination of the bactericidal, yeasticidal, fungicidal, tuberculocidal and mycobactericidal activity in the quantitative suspension test	VAH Method 9
	Surface disinfection without mechanical action – simulated-use test	VAH Method 14.1
	Surface disinfection with mechanical action – simulated-use test (4-fied test)	VAH Method 14.2
	Chemical/chemical-thermal instrument disinfection – quantitative carrier test	VAH Method 15
	The TGA Disinfectant Test	TGA
	Standard Test Methods for Determination of Bactericidal Efficacy on the Surface of Medical Examination Gloves	ASTM D7907-14(2019)
	Microbiology of the food chain – Horizontal methods for surface sampling	ISO 18593: 2018 (E)
	Air Sampling – Impaction Method	TM-7.2.32 In-house method based on Compendium of Methods for the Microbiological Examination of Foods, 5th Edition 2015, Chapter 3

Note:

EN – European Standard
TGA – Therapeutic Goods Administration
VAH – Verbund für Angewandte Hygiene e.V. (Association of Applied Hygiene)
ASTM – American Society for Testing and Materials
TM – Test Method
ISO – International Organization for Standardization
AOAC – Association of Official Analytical Chemists

Signatories:

1. **Dr. Peter Cheong Chiew Hing**
2. **Raja Maizatul Akmal binti Raja Ismail**
3. **Afiq Nazran bin Mohd Nezam**
4. **Nurul Ezzetty binti Mohd Zaki**
5. **Yew Tuck Fai**
6. **Ng Yue Heng**

SCOPE OF TESTING: MICROBIOLOGICAL

Materials/ Products Tested	Type of Test/ Properties Measured/ Range of Measurement	Standard Test Methods/ Equipment/Techniques
Microbiological Chemical Disinfectants and Antiseptics (continued)	Quantitative suspension test for the evaluation of virucidal activity of chemical disinfectants and antiseptics used in the veterinary area	EN 14675: 2015 (E) (Quantal Tests)
	Quantitative suspension test for the evaluation of virucidal activity in the medical area	EN 14476: 2013+A2: 2019 (E) (Quantal Tests)
	Quantitative carrier test for the evaluation of virucidal activity for instruments used in the medical area	EN 17111: 2018 (E) (Quantal Tests)
	Quantitative Non-porous surface for the evaluation of virucidal activity of chemical disinfectants used in medical area	EN 16777: 2018 (E)
	Standard Test Method for Efficacy of Virucidal Agents Intended for Inanimate Environmental Surfaces.	ASTM E 1053-20
	Textiles- Determination of antiviral activity of textile products.	ISO 18184: 2019
	Measurement of antiviral activity on plastics and other non-porous surfaces	ISO 21702:2019
	Chemical disinfectants and antiseptics - Methods of airborne room disinfection by automated process - Determination of bactericidal, mycobactericidal, sporicidal, fungicidal, yeasticidal, virucidal and phagocidal activities	EN 17272: 2020

Note:
EN – European Standard
ISO- International Organization for Standardization
ASTM- American Society for Testing & Materials

Signatories:

1. **Dr. Siti Syazani Suhaimi**
2. **Dr. Peter Cheong Chiew Hing**
3. **Hubert Yong Jun Fung**

SCOPE OF TESTING: CHEMICAL

Materials/ Products Tested	Type of Test/ Properties Measured/ Range of Measurement	Standard Test Methods/ Equipment/Techniques
Chemical Chemical Disinfectants and Antiseptics (continued)	Materials used for dental equipment surfaces: determination of resistance to chemical disinfectants	EN ISO 21530: 2004 (Exclude Section 5.5 – Spray Test)
	Dentistry hydrocolloid impression materials. Clause 7.3 Detail reproduction test before and after specimen disinfection	EN ISO 21563-2013

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