POLTI MOPPY

EFFECTIVENESS TEST

1 Evaluation of the virucidal effectiveness (SARS-CoV2) of dry steam

Laboratory Eurofins Biolab - Vimodrone (MI) – Italy

Considering that:

- The SARS-CoV2 virus - according to the published information - has similar heat-sensitive properties to other Coronaviruses;
- Thermosensitive viruses are completely deactivated in a few seconds at very high temperatures, for example from 150° to 160°C due to the heat and the deactivation speed for each log is minimal, quantifiable as about 0.1 seconds;
- Coronaviruses are completely deactivated within one minute at 80°C from the heat generated by dry steam and the log inactivation speed is approximately 10 seconds;
- The viral load of Coronavirus can be partially reduced within one minute at 65°C from the heat generated from dry steam;

It can be said that the steam treatment of Polti equipment must be considered effective in completely deactivating the SARS-CoV2 virus at a temperature of 80°C or higher.

2 Virucidal and bactericidal effectiveness

Laboratory ECAM RICERT – Monte di Malo (VI)

Polti Moppy removes and eliminates 99.9%* of viruses, germs and bacteria.**
Cleans and sanitizes with the hot steam-charged microfibre cloth and without detergents.

*** Polti Moppy has been tested on the most common bacteria such as Escherichia coli, Enterococcus faecalis, Pseudomonas aeruginosa, Salmonella enterica, Aspergillus brasiliensis. It removes 99.9% of viruses, germs and bacteria from surfaces with just one pass and retains them; also eliminates 99.9% of viruses, germs and bacteria from the cloth during vaporisation on the charging base.

LIST OF TESTS:

Escherichia coli – Validation test on Polti Moppy cloth and Polti Moppy 12/05/2017 e 19/04/2017 - Ecam Ricert
Enterococcus Faecalis – Validation test on Polti Moppy cloth and Polti Moppy 12/05/2017 e 19/04/2017 - Ecam Ricert
Pseudomonas aeruginosa – Validation test on Polti Moppy cloth and Polti Moppy 12/05/2017 e 19/04/2017 - Ecam Ricert
Salmonella enterica - Validation test on Polti Moppy cloth and Polti Moppy 12/05/2017 e 19/04/2017 - Ecam Ricert
Aspergillus brasilienis - Validation test on Polti Moppy cloth and Polti Moppy 12/05/2017 e 19/04/2017 - Ecam Ricert
Virus – Technical report (integrated) 25/02/2020 - Ecam Ricert