Competence Center for Technical Hygiene and Applied Microbiology
Dr. Schmelz GmbH

Sampling – Consulting – Plant Engineering – Analytics

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Certificate

Disinfection efficacy (action dynamics) of drying cabinets for garments using oxygen plasma disinfection (Sterex plasma technology)

Tested series:

"PRIMUS Speed Dry with Sterex plasma technology"
using the example of "PRIMUS Speed Dry 120"
Steurer Trocknungs- und Aufbewahrungssysteme GmbH
Staudenstrasse 34
6844 Altach | Austria

Assessment:

- The "PRIMUS Speed Dry" drying system for clothing from Steurer GmbH, A-6844 Altach, Austria, demonstrates a disinfection effect in terms of asepsis in an exposure test with stainless steel test pieces and real clothing over 180 minutes:
  - A germ reduction of 3.03 to 3.60 log levels is achieved on clothing based on the example of Enterococcus faecium.
  - A germ reduction of 2.95 to 3.30 log levels is achieved on stainless steel test specimens according to DGHM specifications.
- **The disinfection effect thus corresponds to elimination of up to 99.9% of the microorganisms in effect classes A and B of the RKI list.**
- The process thus eliminates native bacteria and fungi (RKI class A) and viruses (RKI class B) such that, after treatment/exposure of the products, there is no longer any risk of infection.
- The new virus SARS-CoV-2 is also included in the efficacy spectrum.
- The assessment is based on the expert opinion of Dr. Schmelz GmbH dated 18 September 2020
- The process is harmless to health. The ozone concentration generated as an unavoidable by-product is well below the OEL/MAC.

Malsfeld, 18 September 2020

(Signature)

Privatdozent Dr.med. Dipl.-Chem. Dipl.-Ing.(FH) Ulrich F. Schmelz (Assessor)