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DEVICE

F.-W. Dauphin GmbH & Co.
IS20760 166481 0426
Report No. DA 1508-778

DUPLICATE

Statement of
Qualification

ESD

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Statement of Qualification

Customer

Bürositzmöbelfabrik Friedrich-W. Dauphin GmbH & Co.
Espanstraße 29
91249 Offenhausen
Germany

Component tested

Category:	Working Place and Operator
Subcategory:	Chairs
Product name:	Chair IS20760 166481 0426 (manufacturing date 14/8/2015; color: black – 0426)

Electrostatic discharge measurements at representative points (surface resistivity, volume resistivity, discharge resistance)

Standards/Guidelines: DIN EN 61340-5-1; DIN EN 61340-4-1
The norms stated refer to the relevant editions applicable at the time of the tests.

Test devices:

- Data capture: ..... Tera-Ohm-Meter, type 6206, ... Eltex GmbH
- Measuring probes (2 pieces): ..... ETS Model 850 (2.5 kg), ... Electro-Tech Systems Inc.
- Counter electrode:
  - type: ..... stainless steel plate
  - dimensions: ..... 1000 mm x 500 mm (± 2 mm)
  - thickness: ..... 1.2 ± 0.1 mm
- Insulating mounts:
  - type: ..... planar PTFE-sheet with R > 10^{14} Ω
  - dimensions: ..... 1210 mm x 1200 mm (± 5 mm)
  - thickness: ..... 5 mm (± 1 mm)

Test environment parameters:

- Cleanroom Air Cleanliness Class (according to ISO 14644-1): ..... ISO 1
- Airflow velocity: ..... 0.45 m/s
- Airflow pattern: ..... vertical laminar flow
- Temperature: ..... 22 °C ± 0.5 °C
- Relative humidity: ..... 45 % ± 5 %

Test result / Classification

The chair IS20760 166481 0426 fulfills the ESD requirements for EPAs (ESD-protectet areas) of surface resistivity, volume resistivity and discharge resistance.

Parameter	Operating voltage [V]	Resistance [Ω]	Rating
Surface resistivity	10	1.9 E + 05	electrostatically discharging
Volume resistivity	100	2.6 E + 06	electrostatically discharging
Discharge resistance	100	2.6 E + 06	electrostatically discharging

The measuring devices used for the qualification tests are calibrated at regular intervals; their results can be traced back to national and international standards. In cases where no national standards exist, the test procedure implemented complies with the technical regulations and norms applicable at the time of the test. The relevant documentation can be viewed on request at any time.

For further information about the test environment and parameters, please refer to the Fraunhofer IPA test report.

Fraunhofer Institute for Manufacturing Engineering and Automation IPA

Department of Ultraclean Technology and Micromanufacturing

Nobelstrasse 12
70569 Stuttgart
Germany

Stuttgart, September 7, 2015
Place, date of first document issued

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Place, current date

on behalf of
Frank Bürger, Project Manager Fraunhofer IPA

This document only applies to the named product in an unchanged state and is valid from the date of issue for a period of 5 years. The document can be verified under **www.tested-device.com**.