

Fraunhofer

TESTED® DEVICE

F.-W. Dauphin GmbH & Co. IS20760 166481 0426

Report No. DA 1511-791

Statement of Qualification

Particle Emission





Statement of Qualification

Customer Bürositzmöbelfabrik

Friedrich-W. Dauphin GmbH & Co.

Espanstrasse 29 91238 Offenhausen

Germany

Component tested

Category: Working Place and Operator

Subcategory: Chairs

Product name: Work chair IS20760 166481 0426

(manufacturing date: 11/2015; upholstery: 0426/Imitation leather, black,

conductive; article number: 166481)

Random sampling of particle emissions (airborne) at representative sites

Standards/Guidelines:

Test devices:

Test environment parameters:

Test procedure parameters:

VDI 2083-9.1; ISO 14644-1

The stated norms are generally those that were applicable at the time the tests were conducted.

Optical particle counter:

LasAir II and LasAir III 110 with measuring ranges \geq 0.1 μ m, \geq 0.2 μ m, \geq 0.3 μ m, \geq 0.5 μ m, \geq 1.0 μ m and \geq 5.0 μ m

 Cleanroom Air Cleanliness Class (according to is 	0 14644-1):150 1
Airflow velocity:	0.45 m/s
Airflow pattern:	vertical laminar flow
Temperature:	22°C±0.5°C
Relative humidity:	45 % ± 5 %

- Type of stress applied:pulsating vertical force
 Location of stress impact: midpoint of the seat/backrest
 - at: -orce:.....



Test result/Classification

When operated under the specified test conditions, the work chair IS20760 166481 0426 is suitable for use in cleanrooms fulfilling the specifications of the following Air Cleanliness Class according to ISO 14644-1:

Testparameter	Air Cleanliness Class
Seat (F = 1200N; 12 Cycles/min)	4
Backrest (F = 350N; 12 Cycles/min)	4
Overall result	4



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, December 18, 2015

Place, date of first document issued

lace, current date

on behalf of A Parager 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.