

Fraunhofer

TESTED[®] DEVICE

Sedus Stoll AG tu-181

Report No. SE 1803-1011

Statement of Qualification

Particle Emission





Statement of Qualification

Customer Sedus Stoll AG

Brückenstrasse 15 79761 Waldshut-Tiengen

Germany

Component tested

Working Place and Operator Category:

Subcategory: Chairs

tu-181 TURN AROUND HIGH DESK CHAIR Product name:

(manufacturing date: 2/14/2018; color: creme; serial number: 0030080079;

article number: 1503 2203 120 120)

Random sampling of particle emissions (airborne) at representative sites

Standards/Guidelines:

ISO 14644-1, -14

The norms stated generally refer to the version valid at the time of the tests.

Test devices:

Optical particle counter:

LasAir II 110 and LasAir III 110 with measuring ranges $\geq 0.1 \,\mu\text{m}$, $\geq 0.2 \,\mu\text{m}$, \geq 0.3 μ m, \geq 0.5 μ m, \geq 1.0 μ m and \geq 5.0 μ m

Test environment parameters:

Airflow pattern:.....vertical laminar flow

• Relative humidity: 45 % ±5 %

Test procedure parameters:

• Type of stress applied:pulsating vertical force

• Location of stress impact: midpoint of the seat/backrest

- Cycles: 12/min

Backrest: – Force:F = 350 N



Test result/Classification

When operated under the specified test conditions, the tu-181 TURN AROUND HIGH DESK CHAIR is suitable for use in cleanrooms fulfilling the specifications of the following Air Cleanliness Classes according to ISO

Test parameter(s)	Air Cleanliness Class
Seat (F = 1200 N; 12 cycles/min)	1
Backrest (F = 350 N; 12 cycles/min)	2
Overall result	2



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.

Detailed information and parameters of the test environment can be found in the Fraunhofer IPA test report.

Fraunhofer Institute for Manufacturing Engineering and Automation IPA

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on behalf of RM

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This document only applies to the named product in its original state and is valid for a period of 5 years from the date the first document was issued. The document can be verified under

www.tested-device.com.