



Fraunhofer

TESTED[®] DEVICE

Atlas Copco Tools
Power Focus 4002-G-HW
Report No. AT 1201-585

DUPLICATE

Statement of
Qualification

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Customer: Atlas Copco Tools Central Europe GmbH
Langemarckstr. 35
45141 Essen
Germany

Test results / Classification:
(according to ISO 14644-1)

The Power Focus 4002-G-HW is suitable for use in cleanrooms fulfilling the Air Cleanliness Class 1.

Component tested:

Category: Working Place and Operator
Subcategory: Work Equipment
Type: Power Focus 4002-G-HW

Random check measurements of particle emission (airborne) at representative points

Test procedure: According to VDI 2083 Part 9.1

Measuring instruments being used: Optical Particle Counter:
Model LasAir II 110 manufactured by PMS with measuring channels of
 $\geq 0.1 \mu\text{m}$, $\geq 0.2 \mu\text{m}$, $\geq 0.3 \mu\text{m}$, $\geq 0.5 \mu\text{m}$, $\geq 1.0 \mu\text{m}$ and $\geq 5.0 \mu\text{m}$

Test parameters of the test environment:

- Cleanroom Air Cleanliness Class (according to ISO 14644-1):..... ISO 1
- Air flow velocity:.....0.45 m/s
- Air flow guidance:vertical unidirectional air flow
- Temperature: $22^\circ\text{C} \pm 0.5^\circ\text{C}$ ($71.6^\circ\text{F} \pm 0.9^\circ\text{F}$)
- Relative humidity: $45\% \pm 5\%$

Test parameters of the test execution: Power supply/control unit for the representative operation of the screwdriver ETV SL21-20-10 (system program parameters):

- Angle: 250° forward
- Cycle: 20 cycles/minute

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The measuring equipment used for the qualification is regularly calibrated and is based on national and international standards. In the case where no national standards exist, the measuring procedure used corresponds with technical regulations and norms valid at the time of the measurement. The documents drawn up for this procedure are available for viewing.


The validity of this certificate applies only to the mentioned product in this particular condition for a duration of 5 years.
Further information: www.tested-device.com.

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and Micromanufacturing

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Stuttgart, March 23, 2012
Place, Date


i. A.
Project manager