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TESTED® DEVICE

Atlas Copco Tools AB Tensor ETV-ST61-30-10 **Report No. AT 0907-490**

Statement of Qualification





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Customer:

Atlas Copco Tools AB **Tooltec Division** SE-105 23 Stockholm

Sweden

Component tested:

Tool

Type:

Tensor ETV-ST61-30-10 with cable ST Cable 4220 2636 XX and controller PF4000, 8433 6100 00

Tests performed:

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

Test parameters:

Tool running 4500° over 4-5 cycles per min

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Test results / classification:

When the tool is being operated at the above mentioned test parameter, it is suitable for use in cleanrooms fulfilling the Air Cleanliness Class 7 according to ISO 14644-1.

Standards/guidelines used for the qualification:

VDI 2083 Part 1, 4 and 9.1; ISO 14644-1

Test parameters of the cleanroom environment:

Cleanroom of Air Cleanliness Class ISO Class 1 (according to ISO 14644-1)

Air flow velocity: 0.45 m/s

Air flow guidance: vertical unidirectional air flow from ceiling to floor. (raised floor)

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 % ± 5 %

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.

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