



**INSTITUT PRO TESTOVÁNÍ A CERTIFIKACI, a.s.**  
třída Tomáše Bati 299, Louky, 763 02 Zlín, Czech Republic  
**TESTING LABORATORY – TESTING DIVISION**

issues

# ATTEST

## No. 412403652-01

for the sample

**AT sweatshirt, typ ESD203**  
colour graphite

laid-in knit with napped reverse side, strip pattern  
composition: 52 % cotton / 45 % polyester / 3 % polyester  
antistatic

**AT T-shirt, typ ESD111-O**  
colour royal blue

single jersey, strip pattern 10 mm  
composition: 98 % cotton / 2 % polyester antistatic

**AT T-shirt, typ ESD130**  
colour royal blue

single jersey, strip pattern 10 mm  
composition: 98 % cotton / 2 % polyester antistatic

**AT insulated vest, typ ESD214**  
colour graphite

woven fabric, grid pattern 10 x 10 mm  
composition: 66 % cotton / 31 % polyester / 3 % polyester  
antistatic + insulated lining

client:

**VÚB a.s.**

**Na Ostrově 1165, 562 01 Ústí nad Orlicí, Czech Republic**

Company ID. No.: 45534420

Evaluation of determined parameters of the samples:

The determined technical parameters (point-to-point resistance after washing and drying) mentioned on page 2 of this Attest meet the requirements of ČSN EN 61340-5-1 ed. 2 Electrostatics – Part 5-1:2008 Protection of electronic devices from electrostatic phenomena – General requirements (Table 3 Requirements for ESD protected areas) and of ČSN EN 61340-5-1 ed. 3 Electrostatics – Part 5-1:2017 Protection of electronic devices from electrostatic phenomena – General requirements (Table 3 Requirements for ESD protected areas).

This Attest has been issued on the basis of the Test Report No. 412403652-01 issued on 10. 5. 2019.



Date of issue: 10. 5. 2019  
Attest is valid to: 9. 5. 2022

  
Dipl. Ing. Jiří Samsoněk, Ph.D.  
Head of Testing Laboratory

1. The Attest applies only to the sample tested by our laboratory.
2. The Attest remains in effect until production technology, initial materials and standards or corresponding regulations are changed; however, its validity will extend beyond the period of its effect.
3. If further requirements of national or EU legal regulations apply to the product, the Attest does not replace procedures and documents necessary for assessment of compliance with these regulations.



# ATTEST

## No. 412403652-01

The samples indicate the following technical parameters:

Measured parameter	Unit	Requirement	Measurement result
Point-to-point resistance $R_{p-p}$ (after pre-treatment by washing and drying)	$\Omega$	1) $R_{p-p} < 1.10^{12}$	max. $3,7 \cdot 10^8$
Type representative: AT sweatshirt, type <b>ESD203</b>		2) $R_{p-p} < 1.10^{11}$	max. $3,1 \cdot 10^8$
Type representative: AT T-shirt, type <b>ESD111-O</b>			max. $2,0 \cdot 10^8$
Type representative: AT T-shirt, type <b>ESD130</b>			max. $6,3 \cdot 10^8$
Type representative: AT insulated vest, type <b>ESD214</b>			

<sup>1)</sup> The requirement is defined in the standard ČSN EN 61340-5-1 ed. 2 Electrostatics – Part 5-1:2008 Protection of electronic devices from electrostatic phenomena – General requirements (Table 3 Requirements for ESD protected areas)

<sup>2)</sup> The requirement is defined in the standard ČSN EN 61340-5-1 ed. 3 Electrostatics – Part 5-1:2017 Protection of electronic devices from electrostatic phenomena – General requirements (Table 3 Requirements for ESD protected areas)



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