



CLIENT: **GIASCO SRL**  
Via Zaupa, 50  
36072 Chiampo (VI)  
Italy

LR

FOR THE ATTENTION OF: Rita Zanconato

SAMPLING: done by the Applicant


SAMPLES RECEIVED: 21/07/2023

TEST PERIOD: 03/08-04/09/2023

SAMPLES: Safety footwear line **3RUN**, article "**3R435N**", sizes 36, 42 and 47.

See the complete description on the next page.

REQUEST: Laboratory tests for the determination of electric resistance in accordance with analogue method of EN ISO 20344:2021 and ASTM F2413 (EH) / CSA Z195-14 at 20kV/60Hz.

OUTCOME:  **PASS**

Notes:

All results refer exclusively to the tested materials as received.

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Positive results of a test report do not imply that the tested product is "certified" or "approved" by RCT.

Comments and interpretations are of subjective nature and not part of the Test Report.

# Test carried out by qualified partner lab ISO 17025.

\* Test not accredited by Accredia

Conformity assessment criterion: the result is considered compliant until the value falls within or coincides with the specification limit.

Unless otherwise indicated, the test conditions correspond to the reference standard.

M22 rev08 del 01/01/2023



Description:

article: **3R435N**;

model: A (low footwear);

fastening system: by means of laces;

processing: direct injection;

outsole: orange compact PU marked "OIL RESISTANT ANTI TORSION ITALY VIA ZAUPA 50 – CHIAMPO VI 3RUN 3-PU ANTI SHOCK" with size indication and a clock indicator for the production date;

midsole: dark and light grey PU foam with insert "ANTITORSION" in the plantar arch area (code AC 10950);

upper:

- black microfiber declared thickness 1,8/2,0 mm (code AC 20791);

- black net (code AC 20775);

vamp lining: black felt (code AC 20786 B);

rear collar and top tongue lining: orange three-dimensional fabric (code AC 20826 AR);

rear/quarter lining: black three-dimensional fabric (code AC 20794);

tongue: see upper;

insole: white insulating penetration resistant fabric marked TESSILTOSCHI K18 0/3 SLIM EN ISO 22568-4:2021 TYPE PL (code AC 20706), which also serves as a penetration resistant insert;

penetration resistant insert: see insole;

removable insock: black/orange foam material, matched with black fabric in contact with the user, marked "ANTIBACTERIAL PERSPIRING ABSORBING ANATOMIC INSULATING GIASCO SAFETY SHOES" (code AC 20458);

toecap: polymeric material, art. PS 101M HAWAI (code AC 10781/AC 10784).



| References   | Tests  | Measuring unit | Requirements | Results |      |                    |
|--|--|----------------|--------------|---------|------|--------------------|
|  |  |                |              | 36      | 42   | 47                 |
| Requirement standard (method standard)                                       |  |                |              |         |      |                    |
| EN ISO 20345:2022 (EN ISO20344:2021)   | <b>Safety footwear, class I</b>  |                |              |         |      |                    |
| <b>6.2.2</b>   | <b>Electric properties</b>   |                |              |         |      |                    |
| 6.2.2.2 (analogous method 5.13) 1000 V                                       | Insulating footwear (preliminary test) conditioning: 48h 23°C/50 % r.h.                                    | MΩ             | ≥ 1000       | 3600    | 3500 | 3700               |
| <b>ASTM F2413-18</b>   | <b>Electric hazard resistance</b>  |                |              |         |      |                    |
| Analogous method 5.6 (ASTM F2412-18:2018 cl.9) (CSA Z195-14 cl. 4.6 – 6.5.2) | Electric hazard resistance (EH) <b>20kV</b> / 60 Hz duration: 1 min increase: 1kV/sec<br><br>Electric flux | mA             | ≤ 1,0        |         |      | 0,62 / 0,64 / 0,70 |

- End of the Test Report -