

**FEINROHREN** S.p.A.Company with Quality Management System  
certified ISO 9001:2015 by BSI (N° FM 29153)SEDE LEGALE E STABILIMENTO:  
VIA GEN. REVERBERI, 8  
25050 PASSIRANO (BRESCIA) ITALYCAPITALE SOCIALE € 5.862.275  
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TEL. 030 6549011 – FAX 030 6549300STABILIMENTO DI LUMEZZANE:  
VIA M.L. KING, 32/34  
25065 LUMEZZANE (BRESCIA) ITALY**COPPER CAPILLARY TUBE FINISHED PLAIN, COVERED WITH TIN AND/OR PLASTIC COATED, COPPER  
PRECISION FITTINGS AND TUBES TO NATIONAL, INTERNATIONAL AND CUSTOMER SPECIFICATIONS.**

|   |                         |                              |      |                 |
|---|-------------------------|------------------------------|------|-----------------|
| <b>INSPECTION<br/>CERTIFICATE</b><br><br><b>TYPE 3.1</b><br><br>(ref. EN 10204) | CERTIFICATE N°          | <b>23107</b>                 |      |                 |
|   | CUSTOMER                | <b>002997-DARMENT OY</b>     |      |                 |
|   | NOMINAL SIZES mm        | <b>84,900 x 88,900</b>       |      |                 |
|   | DRAWING NUMBER          |                              |      |                 |
| <b>Sc N°: 23107</b><br><br><b>St N°: 3768</b>                                   | STANDARD REFERENCE      | <b>EN 12735-1 / EN 12449</b> |      |                 |
|   | DENOMINATION            | <b>VERGHE</b>                |      |                 |
|   | PRODUCT TYPE            | <b>GREEN</b>                 |      |                 |
|   | PHYSICAL STATE          | <b>HARD</b>                  |      |                 |
|   | CUSTOMER'S ORDER NUMBER | <b>P00118</b>                |      |                 |
|   | D.D.T. N°               | <b>10505</b>                 | DATE | <b>29.02.24</b> |

| CHARACTERISTICS        |                    | REQUESTED               |        | CHECKED           |
|------------------------|--------------------|-------------------------|--------|-------------------|
| INSIDE DIAMETER        | mm                 | 84,900                  |        | <b>85,27</b>      |
| OUTSIDE DIAMETER       | mm                 | 88,900 + 0,07<br>- 0,07 |        | <b>88,89</b>      |
| THICKNESS              | mm                 | 2,00                    |        | <b>1,81</b>       |
| LENGTH                 | mm                 | 5.000,00 + 5,00<br>- 0  |        | <b>CONFORMING</b> |
| UNIT TENSILE STRENGTH  | MPa                | Min                     | 290,00 | <b>442,00</b>     |
| ELONGATION             | %                  | Min                     | 3,00   | <b>5,00</b>       |
| HARDNESS               | HV5                | /                       |        | /                 |
| GRAIN SIZE             | mm                 | /                       |        | /                 |
| CHEMICAL COMPOSITION   | %                  | Cu+Ag = Min 99,90       |        | <b>99,96 *</b>    |
| (Copper type Cu-DHP)** | %                  | P = 0,015 ÷ 0,040       |        | <b>0,030 *</b>    |
| HUMIDITY               | mg/m <sup>2</sup>  | Max                     | /      | /                 |
| TOTAL INTERNAL RESIDUE | mg/m <sup>2</sup>  | Max                     | /      | /                 |
| CARBON RESIDUE         | mg/dm <sup>2</sup> | Max                     | /      | /                 |
| EDDY CURRENT TEST      |                    |                         | /      | <b>CONFORMING</b> |
| EXPANDING TEST         |                    |                         | /      | /                 |
| FLANGING TEST          |                    |                         | /      | /                 |
| BENDING TEST           |                    |                         | /      | /                 |

**THE TESTED PRODUCT IS IN CONFORMITY TO THE REQUESTED CHARACTERISTICS**

DATE:

29.02.24

- Passirano

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RdQ Feinrohren (matr. n°147)

\* Average value (all the values measured were within the tolerance).

\*\* Characteristic of end-of-life product: 100% recyclable copper.