



**COPPER CAPILLARY TUBE FINISHED PLAIN, COVERED WITH TIN AND/OR PLASTIC COATED, COPPER
PRECISION FITTINGS AND TUBES TO NATIONAL, INTERNATIONAL AND CUSTOMER SPECIFICATIONS.**

INSPECTION CERTIFICATE TYPE 3.1 (ref. EN 10204)	CERTIFICATE N°	91069		
	CUSTOMER	002997-DARMENT OY		
	NOMINAL SIZES mm	18,22 x 22,22		
	DRAWING NUMBER			
Sc N°: 91069 St N°: 3860	STANDARD REFERENCE	EN 12735-1/EN 378-2/ASTM B111		
	WORKING PRESSURE	Max 120 bar (R220; S.F. 3)		
	DENOMINATION	VERGHE		
	PRODUCT TYPE	GREEN 120BAR		
	PHYSICAL STATE	HARD		
	CUSTOMER'S ORDER NUMBER	4022		
	D.D.T. N°	11145	DATE	27.05.20

CHARACTERISTICS		REQUESTED		CHECKED
INSIDE DIAMETER	mm	18,22		18,41
OUTSIDE DIAMETER	mm	22,22 + 0,06 - 0,06		22,25
THICKNESS	mm	2,00		1,92
LENGTH	mm	5.000,00 + 5,00 - 0		CONFORMING
UNIT TENSILE STRENGTH	MPa	Min	290,00	458,00
ELONGATION	%	Min	3,00	5,00
HARDNESS	HV5	/		/
GRAIN SIZE	mm	/		/
CHEMICAL COMPOSITION	%	Cu+Ag = Min 99,90		99,96 *
(Copper type Cu-DHP)**	%	P = 0,015 ÷ 0,040		0,030 *
HUMIDITY	mg/m ²	Max	/	/
TOTAL INTERNAL RESIDUE	mg/m ²	Max	/	/
CARBON RESIDUE	mg/dm ²	Max	/	/
EDDY CURRENT TEST			/	CONFORMING
EXPANDING TEST			/	/
FLANGING TEST			/	/
BENDING TEST			/	/

THE TESTED PRODUCT IS IN CONFORMITY TO THE REQUESTED CHARACTERISTICS

DATE:

27.05.20 - Passirano Document issued in electronic form without the need of signature RdQ Feinrohren (matr. n°147)

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

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