



**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°	78381		
	CUSTOMER	002997-DARMENT OY		
	NOMINAL SIZES mm	11,10 x 12,70		
	DRAWING NUMBER			
Sc N°: 78381 St N°: 3816	STANDARD REFERENCE	EN 12735-1/EN 378-2/ASTM B111		
	WORKING PRESSURE	max 80 bar (R220; S.F. 3)		
	DENOMINATION	VERGHE		
	PRODUCT TYPE	GREEN 80BAR		
	PHYSICAL STATE	HARD		
	CUSTOMER'S ORDER NUMBER	4560		
	D.D.T. N°	11384	DATE	28.05.21

CHARACTERISTICS		REQUESTED		CHECKED
INSIDE DIAMETER	mm	11,10		11,19
OUTSIDE DIAMETER	mm	12,70 + 0,04 - 0,04		12,71
THICKNESS	mm	0,80		0,76
LENGTH	mm	5.000,00 + 5,00 - 0		CONFORMING
UNIT TENSILE STRENGTH	MPa	Min	290,00	449,00
ELONGATION	%	Min	3,00	6,00
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:

28.05.21 - 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.