



QUALITY TEST CERTIFICATION

Customer		Total Ingenieros S. A. C.	Alloy No.	C12200	Order No.	22HLHK05W401	Specification	ASTM B88	Temper	H58	Quantity		
Dimensions		Φ7/8"×0.81×6000			Lot No.	HLTo20220725-5	Marking	C12200/ H58/Φ7/8"×0.81×6000mm HLTo20220725-5					
Test No.	Tensile Test					Cleanness mg/M²	Hardness HR30T	Ellipticity					
	Tensile Strength Mpa												
Requirement	≥250					≤38	≥30	≤0.22					
Sample 1	416					36.00	62.00	0.10					
Sample 2	413					36.00	62.00	0.08					
Test No.	Chemical Composition (%)							Dimensions			Straightness		
	Cu		P					O. D (mm)		W. T (mm)			L (mm)
Requirement	Max.		0.040					Avg.±0.0012"		0.89		0~+10	≤4mm/m
	Min.	≥99.90%		0.015						0.73			
Sample 1	≥99.90%		0.0267					0.8744"	0.8756"	0.75	0.83	6006	≤3mm/m
Sample 2	≥99.90%		0.0267					0.8744"	0.8752"	0.74	0.82	6005	≤3mm/m

We hereby certify that the material described in this report has been tested and complies with the requirements of the Order & Standard