



QUALITY TEST CERTIFICATION

Customer	Total Ingenieros S. A. C.	Alloy No.	C12200	Order No.	22HLHK05W401	Specification	ASTM B88	Temper	H58	Quantity	
Dimensions	Φ3/4" × 1.07 × 6000			Lot No.	HLTo20220725-3	Marking	C12200/ H58/Φ3/4"×1.07×6000mm HLTo20220725-3				
Test No.	Tensile Test			Cleanness mg/M ²	Hardness HR30T	Ellipticity					
	Tensile Strength Mpa										
Requirement	≥250			≤38	≥30	≤0.15					
Sample 1	427			36.10	63.00	0.05					
Sample 2	420			36.10	63.00	0.07					
Test No.	Chemical Composition (%)					Dimensions			Straightness		
	Cu	P				O. D (mm)	W. T (mm)	L (mm)			
Requirement	Max.	0.040				Avg.±0.0012"		1.18	0~+10	≤4mm/m	
	Min.	≥99.90%	0.015					0.96			
Sample 1	≥99.90%	0.0277				0.7488*	0.7504*	0.99	1.07	6006	≤Saa/n
Sample 2	≥99.90%	0.0277				0.7492*	0.7504*	1.01	1.08	6007	≤Saa/n

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