



QUALITY TEST CERTIFICATION

Customer		Total Ingenieros S. A. C.	Alloy No.	C12200	Order No.	22HLHK05W401	Specification	ASTM B88	Temper	H58	Quantity		
Dimensions		Φ7/8"×1.14×6000			Lot No.	HLTo20220725-6	Marking	C12200/ H58/Φ7/8"×1.14×6000mm HLTo20220725-6					
Test No.	Tensile Test					Cleanness mg/M²	Hardness HR30T	Ellipticity					
	Tensile Strength Mpa												
Requirement	≥250					≤38	≥30	≤0.18					
Sample 1	417					37.40	61.40	0.10					
Sample 2	422					37.40	61.40	0.08					
Test No.	Chemical Composition (%)							Dimensions				Straightness	
	Cu		P					O. D (mm)		W. T (mm)			
Requirement	Max.	0.040						Avg.±0.0012"		1.25		0~+10 <th rowspan="2">≤4mm/m</th>	≤4mm/m
	Min.	≥99.90%		0.015						1.03			
Sample 1	≥99.90%		0.0260					0.8744"	0.8752"	1.07	1.21	6006	≤3mm/m
Sample 2	≥99.90%		0.0260					0.8740"	0.8752"	1.06	1.22	6007	≤3mm/m

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