



# QUALITY TEST CERTIFICATION

Alloy No: C12200 Temper: O60

Dimension:  $\Phi 3/4" \times 0.75 \times 15M$

Specification: ASTM B280

Test Items		Normal Value	Test Value	Result
			Sample 1	
Size	(OD) mm	19.05 $\pm$ 0.06	19.085	Pass
	(Wall thickness) mm	0.75(-0.07~+0.02)	0.70-0.75	Pass
(Grain Size) mm		$\geq 0.040$	0.040	Pass
(Clearness) mg/m <sup>2</sup>		$\leq 38$	18.75	Pass
Mechanical Property	Tensile Strength Mpa	$\geq 205$	243	Pass
	Elongation %	$\geq 40$	50.5	Pass
Expansion Test $\alpha=60^\circ$ D=1.4D		No crack when vision	Pass	Pass
Eddy Current Test mm		0Point	Pass	Pass
Surface		Conform To		
Packing Requirement		Conform To		
Marking		Conform To		
% Chemical Composition	Cu	$\geq 99.90$	99.96	Pass
	P	0.015-0.040	0.0215	Pass
RESULT		PASS		

*This Product is Certified to be in accordance with the specification.*