



金田集团
JINTIAN GROUP

NINGBO

JINTIAN

COPPER TUBE

CO., LTD

CERTIFICATE OF INSPECTION

Customer: MEGAFRIO SA

Date : 5th/MAR/2025

Order No.: 25JTTQ008

Inspection No. : 1

Copper Alloy	Temper	O Diameter (mm)	W. Thickness (mm)	Length (m)	Weight (kg)	Standard
C12200	O60	1/4"-7/8" (6.35 -22.23)	0.66-1.00	15		AS PER ASTM B280

PHYSICAL PROPERTY

Testing Item	Tensile Strength N/mm ²	Elongation %	Grain Size mm	Interior Surface Residue mg/m ²		
Normal Data	205 MIN	40 MIN	0.015~0.040	25 MAX		
Testing Data	242	53	0.025	12.3		

CHEMICAL COMPOSITION

Item	Cu	P	Fe	Bi	Zn	S	Sn
Normal Data (%)	99.90 MIN	0.015—0.040	0.005 MAX	0.001 MAX	0.005 MAX	0.005 MAX	0.005 MAX
Testing Data (%)	99.953	0.0224	0.0012	0.00010	0.0010	0.0010	0.00045
Item	Ni	Pb	Sb	As			
Normal Data (%)	0.005 MAX	0.005 MAX	0.002 MAX	0.002 MAX			
Testing Data (%)	0.00010	0.0010	0.00010	0.00015			

Appearance : PASSED

OD Expansion : PASSED

Eddy-Current Defect : PASSED

ROSH : PASSED

Finally determinant: PASSED

Q. C.: Chun hua Duan

If you have some question about the quality, please put forward within 90 days.





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Copper Alloy	Temper	O Diameter (mm)	W. Thickness (mm)	Length (m)	Weight (kg)	Standard
C12200	H58	1/2"-2.1/8" (12.70 -53.98)	0.84-1.67	6		ASTM B280/88 TYPE L

PHYSICAL PROPERTY

Testing Item	Tensile Strength N/mm ²	Elongation %	Grain Size mm	Interior Surface Residue mg/m ²		
Normal Data	315 MIN	40 MIN	0.015~0.040	25 MAX		
Testing Data	410	54	0.026	12.3		

CHEMICAL COMPOSITION

Item	Cu	P	Fe	Bi	Zn	S	Sn
Normal Data (%)	99.90 MIN	0.015—0.040	0.005 MAX	0.001 MAX	0.005 MAX	0.005 MAX	0.005 MAX
Testing Data (%)	99.961	0.02469	0.00150	0.00010	0.00105	0.00105	0.00051
Item	Ni	Pb	Sb	As			
Normal Data (%)	0.005 MAX	0.005 MAX	0.002 MAX	0.002 MAX			
Testing Data (%)	0.00100	0.00100	0.00100	0.00100			

Appearance : PASSED

OD Expansion : PASSED

Eddy-Current Defect : PASSED

ROSH : PASSED

Finally determinant: PASSED

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