



NINGBO JINTIAN COPPER TUBE CO., LTD.

CERTIFICATE OF INSPECTION

Customer: **TEKKO**
 ORDER NO.: **19JTTQ085**

Date : 2020/10/23
 Inspection No. : 01

Copper Alloy	Temper	O Diameter (mm)	W. Thickness (mm)	Length (m)	Weight (kg)	Standard
C12200	O60	19.05	0.75	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	206 MIN	41 MIN	0.020—0.060	25 MAX		
Testing Data	242	61	0.025	8.9		

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 (%)	99.956	0.0212	0.0015	0.00010	0.0011	0.0015	0.00042
Item	Ni	Pb	Sb	As			
Normal Data (%)	0.005 MAX	0.005 MAX	0.002 MAX	0.002 MAX			
Testing Data (%)	0.00010	0.0015	0.00010	0.00014			

Appearance : PASSED
 OD Expansion : PASSED
 Eddy-Current Defect : PASSED
 ROHS : PASSED Finally determinant: PASSED

Q. C. : Chun Hua Duan

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



NINGBO JINTIAN COPPER TUBE CO., LTD.

CERTIFICATE OF INSPECTION

Customer: TEKKO

Date : 2020/10/23

ORDER NO.: 19JTTQ085

Inspection No. : 02

Copper Alloy	Temper	O Diameter (mm)	W. Thickness (mm)	Length (m)	Weight (kg)	Standard
C12200	H80	9.52	0.76	6		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	0.020—0.060	25 MAX		
Testing Data	238	56	0.025	9.3		

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 (%)	99.957	0.0215	0.0012	0.00010	0.0015	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	0.0012	0.00016	0.00010			

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.



NINGBO JINTIAN COPPER TUBE CO., LTD.

CERTIFICATE OF INSPECTION

Customer: **TEKKO**
 ORDER NO.: **19JTTQ085**

Date : 2020/10/23
 Inspection No. : 03

Copper Alloy	Temper	O Diameter (mm)	W. Thickness (mm)	Length (m)	Weight (kg)	Standard
C12200	H80	12.70	0.89	6		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	0.020—0.060	25 MAX		
Testing Data	238	52	0.025	9.3		

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 (%)	99.957	0.0215	0.0012	0.00010	0.0015	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	0.0012	0.00016	0.00010			

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.



NINGBO JINTIAN COPPER TUBE CO., LTD.

CERTIFICATE OF INSPECTION

Customer: TEKKO

Date : 2020/10/23

ORDER NO.: 19JTTQ085

Inspection No. : 04

Copper Alloy	Temper	O Diameter (mm)	W. Thickness (mm)	Length (m)	Weight (kg)	Standard
C12200	H80	41.28	1.52	6		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	0.020—0.060	25 MAX		
Testing Data	238	58	0.025	9.3		

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 (%)	99.957	0.0215	0.0012	0.00010	0.0015	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	0.0012	0.00016	0.00010			

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.



NINGBO JINTIAN COPPER TUBE CO., LTD.

CERTIFICATE OF INSPECTION

Customer: TEKKO

Date : 2020/10/23

ORDER NO.: 19JTTQ085

Inspection No. : 05

Copper Alloy	Temper	O Diameter (mm)	W. Thickness (mm)	Length (m)	Weight (kg)	Standard
C12200	H80	53.98	1.78	6		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	0.020—0.060	25 MAX		
Testing Data	238	56	0.025	9.3		

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 (%)	99.957	0.0215	0.0012	0.00010	0.0015	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	0.0012	0.00016	0.00010			

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.