

ท่อทองแดงชนิดม้วน

ผลิตโดยโรงงานฟุรุกาว่า (FMT) ใช้มาตรฐาน JIS H 300 C1220 T ของญี่ปุ่น
เทียบเท่า ASTM B75 ของอเมริกาและ DIN 1755-SF-Cu ของเยอรมัน เป็นท่อทองแดงชนิดไม่มี
รอยตะเข็บเป็นเนื้อเดียวกัน ผิวท่อชนิดอ่อน สามารถดัดและโค้งงอ ขึ้นรูปได้ ใช้ร่วมกับ ข้อเชื่อมทองแดง
หรือ ข้อต่อทองเหลือง , ข้อต่อเหล็ก, สแตนเลส, ใต้ในงานแก๊ส, ของเหลว, ทางเดินของเหลว, เครื่องเย็น, ฯลฯ
ความยาว 15.24 เมตร ต่อม้วน หรือ 50 ฟุต ต่อ 1 ม้วน

ชนิด Inch หุน หรือ นิ้ว

วงนอก OD	หนา นิ้ว	เบอร์ SWG	น้ำหนัก กก	บรรจุกล่องละ	ราคา / ม้วน	ภาษี 7%	ราคารวมภาษี
1/8" (3.175)	0.020"	25 (0.5mm)	0.60	10 ม้วน	1,020.00	71.40	1,091.40
3/16" (4.762)	0.028"	22 (0.71mm)	1.20	16 ม้วน	1,050.00	73.50	1,123.50
หุนครึ่ง	0.036"	20 (0.91mm)	1.50	16 ม้วน	1,100.00	77.00	1,177.00
1/4" (6.350)	0.028"	22 (0.71mm)	1.65	14 ม้วน	1,110.00	77.70	1,187.70
สองหุน	0.036"	20 (0.91mm)	2.10	14 ม้วน	1,330.00	93.10	1,423.10
5/16" (7.937)	0.028"	22 (0.71mm)	2.15	12 ม้วน	1,380.00	96.60	1,476.60
สองหุนครึ่ง	0.036"	20 (0.91mm)	2.70	12 ม้วน	1,610.00	112.70	1,722.70
3/8" (9.525)	0.028"	22 (0.71mm)	2.60	10 ม้วน	1,580.00	110.60	1,690.60
สามหุน	0.036"	20 (0.91mm)	3.20	10 ม้วน	1,880.00	131.60	2,011.60
1/2" (12.70)	0.036"	20 (0.91mm)	4.40	6 ม้วน	2,480.00	173.60	2,653.60
สี่หุน	0.048"	18 (1.22mm)	5.90	6 ม้วน	3,230.00	226.10	3,456.10
5/8" (15.87)	0.036"	20 (0.91mm)	5.60	6 ม้วน	3,080.00	215.60	3,295.60
ห้าหุน	0.048"	18 (1.22mm)	7.40	4 ม้วน	3,980.00	278.60	4,258.60
3/4" (19.05)	0.060"	16 (1.50mm)	11.00	3 ม้วน	5,780.00	404.60	6,184.60

ชนิด Millimeters มิล

OD 4 MM	0.028"	22 (0.71mm)	1.00	25 ม้วน	1,140.00	79.80	1,219.80
OD 6 MM	0.039"	19 (1.02 mm)	2.10	16 ม้วน	1,330.00	93.10	1,423.10
OD 8 MM	0.039"	19 (1.02 mm)	2.90	12 ม้วน	2,080.00	145.60	2,225.60
OD 10 MM	0.039"	19 (1.02 mm)	3.70	8 ม้วน	2,430.00	170.10	2,600.10
OD 12 MM	0.039"	19 (1.02 mm)	4.50	8 ม้วน	2,740.00	191.80	2,931.80

หมายเหตุ น้ำหนักที่ระบุไว้เป็นการประมาณจากการชั่งของสินค้าแต่ละครั้งที่เข้ามาจากโรงงาน
แรงดันที่ระบุเป็น แรงดันในการทำงานที่ปลอดภัยซึ่งจะผันแปรตามอุณหภูมิและสารเคมี

ที่ไหลผ่านในตัวท่อ ณ ที่ 50-75 องศาCelsius SD=33.9 Celsius จากสูตร $Swp = \frac{2000 \times SD \times tm}{D - tm}$

100-125 °C SD=32.7

150-175 °C SD=28.0

175-200 °C SD=21.9

Swp คือ แรงดันในการทำงานที่ปลอดภัย หน่วยเป็น kilo pascals กิโลปาสคา

tm คือ ความหนาของท่อ D คือ วงนอกของท่อ

ภาพสินค้า



ภาพท่อ 4 mm
กล่องละ 25 ม้วน



แคปทิว ภาพท่อ 1/8"

การจัดส่ง สินค้า

ผู้ซื้อ อยู่ ในกรุงเทพฯ ใช้ Line man , Grab , lalamove , วิน และ ฯลฯ โดย ทางผู้ซื้อ จะเรียกเอง ได้ตามตกลง

ผู้ซื้อ อยู่ ต่างจังหวัด ใช้ ขนส่ง ย่านรองเมือง หรือ พระรามสาม เก็บเงินปลายทาง ตามที่ ลูกค้าระบุ

การ รับสินค้าเอง หลังจากชำระเงินแล้ว สามารถรับได้ ตั้งแต่ 8.00 น - 16.40 น ในวัน จันทร์ - ศุกร์ เวลาทำการ พัก 12.00-13.00 น

ผู้จำหน่ายสินค้า วิทยา 085-0597898 บจก. สินค้าเครื่องกล ทั้งเบอร์ โทรและ Line

สินค้ามีการจำหน่ายออกทุกวัน ยอดจำนวนและราคา สามารถเปลี่ยนแปลงได้เสมอ โปรดสอบถามก่อน สั่งซื้อ หรือโอนเงินชำระค่าสินค้า



CERTIFICATE OF INSPECTION

(VPT)

DATE : 30-Sep-2016

CERTIFICATE No. 2016094142

ORDER No. / REF. No. : TJ013-9643

Furukawa Metal (Thailand) Public Company Limited

Registration No. Bor Mor Jor. 606

Factory : 213 Moo 4, Friendship Highway, Km. 125 th, Tab-Kwang,
Kaeng Khoi, Saraburi 18260

Tel. 0-3632-9811-20 Fax. 0-3635-7349, 0-3635-7342

Bangkok Office : 183 Regent House Building, 14th Fl., Rajdamri Rd.,
Lumpini, Pathumwan, Bangkok 10330

Tel. 0-2256-0641-50 Fax. 0-2256-0651-2

P / O No. :

CUSTOMER : TANI GUCHI METAL CO., LTD.

COMMODITY : SEAMLESS COPPER COIL TUBE
: COPPER TUBE

SIZE : 4.00MM X 0.70MM X LWC

SPECIFICATION No. : Copper Tube JISH3300 C1220T (Reference)

TEMPER GRADE : OL

PART No. / DRAWING No. :

QUANTITY :

Contracted Quantity			
No. of Pcs. Or Coil		Weight	
		250.00	Kgs.
Tested Quantity			
No. of Pcs. Or Coil		Weight	
2.00	COILS.	257.50	Kgs.

CHEMICAL ANALYSIS :

Chemical Composition		Cu	P
Chemical Requirement(%)	Min.	99.90	0.015
	Max.		0.040
Billet No.			
200916-258-2		99.97	0.024

ADDITIONAL DATA :

Item		Unit		
Requirement	Min.			
	Max.			
Inspection No.				

MECHANICAL TEST :

Mechanical Properties		Tensile Strength	Elongation	Grain Size		
Mechanical Requirement	Unit	N/mm ²	(%)	(mm)		
	Min.	205	40	0.015		
Inspection No.	Max.			0.040		
				0.015		
LJ1609-427		247	50			

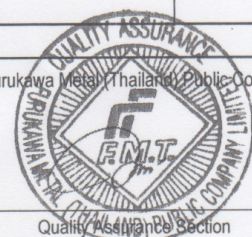
RoHS FREE**DESCRIPTION OF TEST :**

Visual and Dimension Inspection	Expansion	Eddy Current Test	Cleanliness Requirement		
GOOD	GOOD	GOOD			

Surveyor to

"We certified that the materials described herein has been
manufactured, examined and tested in accordance with
the above-mentioned specification."

Furukawa Metal (Thailand) Public Co., Ltd



Surveyor No.

Quality Assurance Section



CERTIFICATE OF INSPECTION

(MPCL)

DATE : 29-Oct-2016

CERTIFICATE No. 2016103658

ORDER No. / REF. No. : TS006-0237

Furukawa Metal (Thailand) Public Company Limited

Registration No. Bor Mor Jor. 606

Factory : 213 Moo 4, Friendship Highway, Km. 125 th, Tab-Kwang, Kaeng Khoi, Saraburi 18260

Tel. 0-3632-9811-20 Fax. 0-3635-7349, 0-3635-7342

Bangkok Office : 183 Regent House Building, 14th Fl., Rajdamri Rd., Lumpini, Pathumwan, Bangkok 10330

Tel. 0-2256-0641-50 Fax. 0-2256-0651-2

P / O No. :

CUSTOMER : MACHINERY PRODUCTS CO., LTD.

COMMODITY : SEAMLESS COPPER PANCAKE COIL
: COPPER TUBE

SIZE : 6.00MM X 1.00MM X 50'

SPECIFICATION No. : Copper Tube JISH3300 C1220T (Reference)

TEMPER GRADE : O

PART No. / DRAWING No. :

QUANTITY :

Contracted Quantity			
No. of Pcs. Or Coil		Weight	
		500.00	Kgs.
Tested Quantity			
No. of Pcs. Or Coil		Weight	
224.00	COILS.	459.20	Kgs.

CHEMICAL ANALYSIS :

Chemical Composition		Cu	P
Chemical Requirement(%)	Min.	99.90	0.015
	Max.		0.040
Billet No.			
191016-225-1		99.97	0.025

ADDITIONAL DATA :

Item				
Requirement	Unit			
	Min.			
Inspection No.	Max.			

MECHANICAL TEST :

Mechanical Properties		Tensile Strength	Elongation	Grain Size		
Mechanical Requirement	Unit	N/mm ²	(%)	(mm)		
	Min.	205	40	0.025		
Inspection No.	Max.			0.060		
PS1610-033		250	52	0.035		

RoHS FREE

DESCRIPTION OF TEST :

Visual and Dimension Inspection	Expansion	Eddy Current Test	Cleanliness Requirement		
GOOD	GOOD	GOOD			

Surveyor to

"We certified that the materials described herein has been manufactured, examined and tested in accordance with the above-mentioned specification."

Furukawa Metal (Thailand) Public Co., Ltd

Surveyor No.

Quality Assurance Section



CERTIFICATE OF INSPECTION

(MPCL)

DATE	: 25-Nov-2016
ORDER No. / REF. No.	: TS006-0239
P / O No.	:
CUSTOMER	: MACHINERY PRODUCTS CO., LTD.
COMMODITY	: SEAMLESS COPPER PANCAKE COIL : COPPER TUBE
SIZE	: 8.00MM X 1.00MM X 50'
SPECIFICATION No.	: Copper Tube JISH3300 C1220T (Reference)
TEMPER GRADE	: O
PART No. / DRAWING No.	:

CERTIFICATE No. **2016113865**

Furukawa Metal (Thailand) Public Company Limited

Registration No. Bor Mor Jor. 606
Factory : 213 Moo 4, Friendship Highway, Km. 125 th, Tab-Kwang,
Kaeng Khoi, Saraburi 18260
Tel. 0-3632-9811-20 Fax. 0-3635-7349, 0-3635-7342
Bangkok Office : 183 Regent House Building, 14th Fl., Rajdamri Rd.,
Lumpini, Pathumwan, Bangkok 10330
Tel. 0-2256-0641-50 Fax. 0-2256-0651-2

QUANTITY :

Contracted Quantity		
No. of Pcs. Or Coil	Weight	
	250.00	Kgs.
Tested Quantity		
No. of Pcs. Or Coil	Weight	
84.00 COILS.	247.80	Kgs.

CHEMICAL ANALYSIS :

Chemical Composition		Cu	P
Chemical Requirement(%)	Min.	99.90	0.015
	Max.		0.040
Billet No.			
081116-030-2		99.97	0.028

ADDITIONAL DATA :

Item		Unit		
Requirement	Min.			
	Max.			
Inspection No.				

MECHANICAL TEST :

Mechanical Properties		Tensile Strength	Elongation	Grain Size
	Unit	N/mm ²	(%)	(mm)
Mechanical Requirement	Min.	205	40	0.025
	Max.			0.060
Inspection No.				
PS1611-024		245	52	0.025

RoHS FREE

DESCRIPTION OF TEST :

Visual and Dimension Inspection	Expansion	Eddy Current Test	Cleanliness Requirement
GOOD	GOOD	GOOD	

Surveyor to	"We certified that the materials described herein has been manufactured, examined and tested in accordance with the above-mentioned specification."	Furukawa Metal (Thailand) Public Co., Ltd. Quality Assurance Section
Surveyor No.		



CERTIFICATE OF INSPECTION

(MPCL)

DATE : 06-Aug-2016

CERTIFICATE No. 2016081109

ORDER No. / REF. No. : TS006-0235

Furukawa Metal (Thailand) Public Company Limited

Registration No.Bor Mor Jor. 606

Factory : 213 Moo 4, Friendship Highway, Km. 125 th, Tab-Kwang,
Kaeng Khoi, Saraburi 18260

Tel.0-3632-9811-20 Fax.0-3635-7349, 0-3635-7342

Bangkok Office : 183 Regent House Building, 14th Fl., Rajdamri Rd.,
Lumpini,Pathumwan, Bangkok 10330

Tel.0-2256-0641-50 Fax.0-2256-0651-2

P / O No. :

CUSTOMER : MACHINERY PRODUCTS CO., LTD.

COMMODITY : SEAMLESS COPPER PANCAKE COIL
: COPPER TUBE

SIZE : 10.00MM X 1.00MM X 50'

SPECIFICATION No. : Copper Tube JIS H3300 C1220T(Reference)

TEMPER GRADE : O

PART No. / DRAWING No. :

QUANTITY :

Contracted Quantity			
No. of Pcs. Or Coil		Weight	
		250.00	Kgs.
Tested Quantity			
No. of Pcs. Or Coil		Weight	
64.00	COILS.	236.80	Kgs.

CHEMICAL ANALYSIS :

Chemical Composition		Cu	P
Chemical Requirement(%)	Min.	99.90	0.015
	Max.		0.040
Billet No.			
020816-164-3		99.97	0.030

ADDITIONAL DATA :

Item			
Requirement	Unit		
	Min.		
InspectionNo.	Max.		

MECHANICAL TEST :

Mechanical Properties		Tensile Strength	Elongation		Grain Size	
Mechanical Requirement	Unit	N/mm ²	(%)		(mm)	
	Min.	205	40		0.025	
InspectionNo.	Max.				0.060	
					0.025	
PS1608-006		250	52			

DESCRIPTION OF TEST :

RoHS FREE

Visual and Dimension Inspection	Expansion	Eddy Current Test	Cleanness Requirement	
GOOD	GOOD	GOOD		

Surveyor to	"We certified that the materials described herein has been manufactured,examined and tested in accordance with the above-mentioned specification."	Furukawa Metal (Thailand) Public Co.,Ltd  Quality Assurance Section
Surveyor No.		



CERTIFICATE OF INSPECTION

(MPCL)

DATE	: 19-Aug-2016
ORDER No. / REF. No.	: TS006-0236
P / O No.	:
CUSTOMER	: MACHINERY PRODUCTS CO., LTD.
COMMODITY	: SEAMLESS COPPER PANCAKE COIL : COPPER TUBE
SIZE	: 12.00MM X 1.00MM X 50'
SPECIFICATION No.	: Copper Tube JISH3300 C1220T (Reference)
TEMPER GRADE	: O
PART No. / DRAWING No.	:

CERTIFICATE No. 2016083069
Furukawa Metal (Thailand) Public Company Limited
Registration No. Bor Mor Jor. 606
Factory : 213 Moo 4, Friendship Highway, Km. 125 th, Tab-Kwang,
Kaeng Khoi, Saraburi 18260
Tel. 0-3632-9811-20 Fax. 0-3635-7349, 0-3635-7342
Bangkok Office : 183 Regent House Building, 14th Fl., Rajdamri Rd.,
Lumpini, Pathumwan, Bangkok 10330
Tel. 0-2256-0641-50 Fax. 0-2256-0651-2

QUANTITY :

Contracted Quantity		
No. of Pcs. Or Coil	Weight	
	250.00	Kgs.
Tested Quantity		
No. of Pcs. Or Coil	Weight	
54.00 COILS.	243.00	Kgs.

CHEMICAL ANALYSIS :

Chemical Composition		Cu	P
Chemical Requirement(%)	Min.	99.90	0.015
	Max.		0.040
Billet No.			
020816-131-2		99.97	0.029

ADDITIONAL DATA :

Item		Unit		
Requirement	Min.			
	Max.			
Inspection No.				

MECHANICAL TEST :

Mechanical Properties		Tensile Strength	Elongation	Grain Size		
Mechanical Requirement	Unit	N/mm ²	(%)	(mm)		
	Min.	205	40	0.025		
Inspection No.		Max.		0.060		
PS1608-009		246	56	0.030		

RoHS FREE

DESCRIPTION OF TEST :

Visual and Dimension Inspection	Expansion	Eddy Current Test	Cleanliness Requirement		
GOOD	GOOD	GOOD			

Surveyor to	"We certified that the materials described herein has been manufactured, examined and tested in accordance with the above-mentioned specification."	Furukawa Metal (Thailand) Public Co., Ltd.  Quality Assurance Section
Surveyor No.		



CERTIFICATE OF INSPECTION

(MPCL)

DATE : 15-Mar-2016

CERTIFICATE No. 2016032190

ORDER No. / REF. No. : TS006-0227

Furukawa Metal (Thailand) Public Company Limited

Registration No. Bor Mor Jor. 606

Factory : 213 Moo 4, Friendship Highway, Km. 125 th, Tab-Kwang,
Kaeng Khoi, Saraburi 18260

Tel. 0-3632-9811-20 Fax. 0-3635-7349, 0-3635-7342

Bangkok Office : 183 Regent House Building, 14th Fl., Rajdamri Rd.,
Lumpini, Pathumwan, Bangkok 10330

Tel. 0-2256-0641-50 Fax. 0-2256-0651-2

P / O No. :

CUSTOMER : MACHINERY PRODUCTS CO., LTD.

COMMODITY : SEAMLESS COPPER PANCAKE COIL
: COPPER TUBE

SIZE : 3/16" X 0.028" X 50'

SPECIFICATION No. : Copper Tube JISH3300 C1220T (Reference)

TEMPER GRADE : O

Drawing No. / DRAWING No. :

QUANTITY :

Contracted Quantity			
No. of Pcs. Or Coil		Weight	
		250.00	Kgs.
Tested Quantity			
No. of Pcs. Or Coil		Weight	
162.00	COILS.	194.40	Kgs.

CHEMICAL ANALYSIS :

Chemical Composition		Cu	P
Chemical Requirement(%)	Min.	99.90	0.015
	Max.		0.040
Billet No.			
250216-008-2		99.98	0.024

ADDITIONAL DATA :

Item				
Requirement	Unit			
	Min.			
Inspection No.	Max.			

MECHANICAL TEST :

Mechanical Properties		Tensile Strength	Elongation		Grain Size		
Mechanical Requirement	Unit	N/mm ²	(%)		(mm)		
	Min.	205	40		0.025		
Inspection No.	Max.				0.060		
					0.035		
PS1603-012		243	46				

DESCRIPTION OF TEST :

RoHS FREE

Visual and Dimension Inspection	Expansion	Eddy Current Test	Cleanliness Requirement		
GOOD	GOOD	GOOD			

Surveyor to

"We certified that the materials described herein has been
manufactured, examined and tested in accordance with
the above-mentioned specification."

Furukawa Metal (Thailand) Public Co., Ltd

Surveyor No.

Quality Assurance Section



CERTIFICATE OF INSPECTION

(MPCL)

DATE : 08-Jul-2015

CERTIFICATE No. 2015070919

ORDER No. / REF. No. : TS006-0199

Furukawa Metal (Thailand) Public Company Limited

Registration No. Bor Mor Jor. 606

Factory : 213 Moo 4, Friendship Highway, Km. 125 th, Tab-Kwang, Kaeng Khoi, Saraburi 18260

Tel. 0-3632-9811-20 Fax. 0-3635-7349, 0-3635-7342

Bangkok Office : 183 Regent House Building, 14th Fl., Rajdamri Rd., Lumpini, Pathumwan, Bangkok 10330

Tel. 0-2256-0641-50 Fax. 0-2256-0651-2

P / O No. :

CUSTOMER : MACHINERY PRODUCTS CO., LTD.

COMMODITY : SEAMLESS COPPER PANCAKE COIL
: COPPER TUBE

SIZE : 3/16" X 0.036" X 50'

SPECIFICATION No. : Copper Tube JISH3300 C1220T (Reference)

TEMPER GRADE : O

PART No. / DRAWING No. :

QUANTITY :

Contracted Quantity			
No. of Pcs. Or Coil		Weight	
		250.00	Kgs.
Tested Quantity			
No. of Pcs. Or Coil		Weight	
144.00	COILS.	208.80	Kgs.

CHEMICAL ANALYSIS :

Chemical Composition		Cu	P
Chemical Requirement(%)	Min.	99.90	0.015
	Max.		0.040
Billet No.			
080615-127-1		99.94	0.027

ADDITIONAL DATA :

Item			
Requirement	Unit		
	Min.		
Inspection No.	Max.		

MECHANICAL TEST :

Mechanical Properties		Tensile Strength	Elongation		Grain Size	
Mechanical Requirement	Unit	N/mm ²	(%)		(mm)	
	Min.	205	40		0.025	
Inspection No.	Max.				0.060	
					0.025	
PS1507-013		241	53			

DESCRIPTION OF TEST :

Visual and Dimension Inspection	Expansion	Eddy Current Test	Cleanness Requirement		
GOOD	GOOD	GOOD			

RoHS FREE

Surveyor to	"We certified that the materials described herein has been manufactured, examined and tested in accordance with the above-mentioned specification."	Furukawa Metal (Thailand) Public Co., Ltd
Surveyor No.		





CERTIFICATE OF INSPECTION

(MPCL)

DATE : 14-Feb-2013

CERTIFICATE No. 2013021747

ORDER No. / REF. No. : TS006-0165

Furukawa Metal (Thailand) Public Company Limited

Registration No. Bor Mor Jor. 606
Factory : 213 Moo 4, Friendship Highway, Km. 125 th, Tab-Kwang,
Kaeng Khoi, Saraburi 18260
Tel. 0-3632-9811-20 Fax. 0-3635-7349, 0-3635-7342
Bangkok Office : 183 Regent House Building, 14th Fl., Rajdamri Rd.,
Lumpini, Pathumwan, Bangkok 10330
Tel. 0-2256-0641-50 Fax. 0-2256-0651-2

P / O No. :

CUSTOMER : MACHINERY PRODUCTS CO., LTD.

COMMODITY : SEAMLESS COPPER PANCAKE COIL
: COPPER TUBE

SIZE : 1/4" X 0.028" X 50'

SPECIFICATION No. : Copper Tube JISH3300 C1220T (Reference)

TEMPER GRADE : O

No. / DRAWING No. :

QUANTITY :

Contracted Quantity		
No. of Pcs. Or Coil	Weight	
	250.00	Kgs.
Tested Quantity		
No. of Pcs. Or Coil	Weight	
144 COILS.	237.60	Kgs.

CHEMICAL ANALYSIS :

Chemical Composition		Cu	P
Chemical Requirement(%)	Min.	99.90	0.015
	Max.		0.040
Billet No.			
300113-267-3		99.97	0.027

ADDITIONAL DATA :

Item			
Requirement	Unit		
	Min.		
Inspection No.	Max.		

MECHANICAL TEST :

Mechanical Properties		Tensile Strength	Elongation	Grain Size
Mechanical Requirement	Unit	N/mm ²	(%)	(mm)
	Min.	205	40	0.025
Inspection No.	Max.			0.060
				0.030
PS1302-012		247	46	

RoHS FREE

DESCRIPTION OF TEST :

Visual and Dimension Inspection	Expansion	Eddy Current Test	Cleanliness Requirement
GOOD	GOOD	GOOD	

Surveyor to	"We certified that the materials described herein has been manufactured, examined and tested in accordance with the above-mentioned specification."	Furukawa Metal (Thailand) Public Co., Ltd  Quality Assurance Section
Surveyor No.		



CERTIFICATE OF INSPECTION

(MPCL)

DATE : 01-Aug-2016

CERTIFICATE No. 2016080038

ORDER No. / REF. No. : TS006-0234

Furukawa Metal (Thailand) Public Company Limited

Registration No. Bor Mor Jor. 606

Factory : 213 Moo 4, Friendship Highway, Km. 125 th, Tab-Kwang, Kaeng Khoi, Saraburi 18260

Tel. 0-3632-9811-20 Fax. 0-3635-7349, 0-3635-7342

Bangkok Office : 183 Regent House Building, 14th Fl., Rajdamri Rd., Lumpini, Pathumwan, Bangkok 10330

Tel. 0-2256-0641-50 Fax. 0-2256-0651-2

P / O No. :

CUSTOMER : MACHINERY PRODUCTS CO., LTD.

COMMODITY : SEAMLESS COPPER PANCAKE COIL
: COPPER TUBE

SIZE : 1/4" X 0.036" X 50'

SPECIFICATION No. : Copper Tube JISH3300 C1220T (Reference)

TEMPER GRADE : 0

PART No. / DRAWING No. :

QUANTITY :

Contracted Quantity			
No. of Pcs. Or Coil		Weight	
		250.00	Kgs.
Tested Quantity			
No. of Pcs. Or Coil		Weight	
112.00	COILS.	224.00	Kgs.

CHEMICAL ANALYSIS :

Chemical Composition		Cu	P
Chemical Requirement(%)	Min.	99.90	0.015
	Max.		0.040
Billet No.			
270716-279-3		99.97	0.030

ADDITIONAL DATA :

Item				
Requirement	Unit			
	Min.			
Inspection No.	Max.			

MECHANICAL TEST :

Mechanical Properties		Tensile Strength	Elongation		Grain Size		
Mechanical Requirement	Unit	N/mm ²	(%)		(mm)		
	Min.	205	40		0.025		
Inspection No.	Max.				0.060		
					0.025		
PS1607-032		248	52				

DESCRIPTION OF TEST :**RoHS FREE**

	Visual and Dimension Inspection	Expansion	Eddy Current Test	Cleanliness Requirement		
	GOOD	GOOD	GOOD			

Surveyor to	"We certified that the materials described herein has been manufactured, examined and tested in accordance with the above-mentioned specification."	Furukawa Metal (Thailand) Public Co., Ltd.  Quality Assurance Section
Surveyor No.		



CERTIFICATE OF INSPECTION

(MPCL)

DATE : 13-Mar-2014

CERTIFICATE No. 2014031794

ORDER No. / REF. No. : TS006-0183

Furukawa Metal (Thailand) Public Company Limited

Registration No. Bor Mor Jor. 606

Factory : 213 Moo 4, Friendship Highway, Km. 125 th, Tab-Kwang, Kaeng Khoi, Saraburi 18260

Tel. 0-3632-9811-20 Fax. 0-3635-7349, 0-3635-7342

Bangkok Office : 183 Regent House Building, 14th Fl., Rajdamri Rd., Lumpini, Pathumwan, Bangkok 10330

Tel. 0-2256-0641-50 Fax. 0-2256-0651-2

P / O No. :

CUSTOMER : MACHINERY PRODUCTS CO., LTD.

COMMODITY : SEAMLESS COPPER PANCAKE COIL
: COPPER TUBE

SIZE : 5/16" X 0.028" X 50'

SPECIFICATION No. : Copper Tube JISH3300 C1220T (Reference)

TEMPER GRADE : O

PART No. / DRAWING No. :

QUANTITY :

Contracted Quantity			
No. of Pcs. Or Coil		Weight	
		500.00	Kgs.
Tested Quantity			
No. of Pcs. Or Coil		Weight	
228.00	COILS.	501.60	Kgs.

CHEMICAL ANALYSIS :

Chemical Composition		Cu	P
Chemical Requirement(%)	Min.	99.90	0.015
	Max.		0.040
Billet No.			
030314-142-2		99.97	0.026

ADDITIONAL DATA :

Item			
Requirement	Unit		
	Min.		
Inspection No.	Max.		

MECHANICAL TEST :

Mechanical Properties		Tensile Strength	Elongation		Grain Size	
Mechanical Requirement	Unit	N/mm ²	(%)		(mm)	
	Min.	205	40		0.025	
Inspection No.	Max.				0.060	
		249	50		0.025	
PS1403-008						

RoHS FREE

DESCRIPTION OF TEST :

	Visual and Dimension Inspection	Expansion	Eddy Current Test	Cleanness Requirement		
	GOOD	GOOD	GOOD			

Surveyor to	"We certified that the materials described herein has been manufactured, examined and tested in accordance with the above-mentioned specification."	Furukawa Metal (Thailand) Public Co., Ltd  Quality Assurance Section
Surveyor No.		



CERTIFICATE OF INSPECTION

(MPCL)

DATE : 22-Jan-2016

CERTIFICATE No. 2016013216

ORDER No. / REF. No. : TS006-0223

Furukawa Metal (Thailand) Public Company Limited

Registration No. Bor Mor Jor. 606

Factory : 213 Moo 4, Friendship Highway, Km. 125 th, Tab-Kwang, Kaeng Khoi, Saraburi 18260

Tel. 0-3632-9811-20 Fax. 0-3635-7349, 0-3635-7342

Bangkok Office : 183 Regent House Building, 14th Fl., Rajdamri Rd., Lumpini, Pathumwan, Bangkok 10330

Tel. 0-2256-0641-50 Fax. 0-2256-0651-2

P / O No. :

CUSTOMER : MACHINERY PRODUCTS CO., LTD.

COMMODITY : SEAMLESS COPPER PANCAKE COIL
: COPPER TUBE

SIZE : 5/16" X 0.036" X 50'

SPECIFICATION No. : Copper Tube JISH3300 C1220T (Reference)

TEMPER GRADE : O

F No. / DRAWING No. :

QUANTITY :

Contracted Quantity			
No. of Pcs. Or Coil		Weight	
		500.00	Kgs.
Tested Quantity			
No. of Pcs. Or Coil		Weight	
168.00	COILS.	445.20	Kgs.

CHEMICAL ANALYSIS :

Chemical Composition		Cu	P
Chemical Requirement(%)	Min.	99.90	0.015
	Max.		0.040
Billet No.			
190116-200-1		99.97	0.023

ADDITIONAL DATA :

Item				
Requirement	Unit			
	Min.			
Inspection No.	Max.			

MECHANICAL TEST :

Mechanical Properties		Tensile Strength	Elongation		Grain Size	
Mechanical Requirement	Unit	N/mm ²	(%)		(mm)	
	Min.	205	40		0.025	
Inspection No.	Max.				0.060	
					0.035	
PS1601-024		247	51			

DESCRIPTION OF TEST :**RoHS FREE**

Visual and Dimension Inspection	Expansion	Eddy Current Test	Cleanliness Requirement		
GOOD	GOOD	GOOD			

Surveyor to	"We certified that the materials described herein has been manufactured, examined and tested in accordance with the above-mentioned specification."	Furukawa Metal (Thailand) Public Co., Ltd
Surveyor No.		





CERTIFICATE OF INSPECTION

(MPCL)

DATE : 31-Jul-2015

CERTIFICATE No. 2015073284

ORDER No. / REF. No. : TS006-0204

Furukawa Metal (Thailand) Public Company Limited

Registration No.Bor Mor Jor. 606

Factory : 213 Moo 4, Friendship Highway, Km. 125 th, Tab-Kwang, Kaeng Khoi, Saraburi 18260

Tel.0-3632-9811-20 Fax.0-3635-7349, 0-3635-7342

Bangkok Office : 183 Regent House Building, 14th Fl., Rajdamri Rd., Lumpini,Pathumwan, Bangkok 10330

Tel.0-2256-0641-50 Fax.0-2256-0651-2

P / O No. :

CUSTOMER : MACHINERY PRODUCTS CO., LTD.

COMMODITY : SEAMLESS COPPER PANCAKE COIL
: COPPER TUBE

SIZE : 3/8" X 0.028" X 50'

SPECIFICATION No. : Copper Tube JIS H3300 C1220T(Reference)

TEMPER GRADE : O

TEST No. / DRAWING No. :

QUANTITY :

Contracted Quantity			
No. of Pcs. Or Coil		Weight	
		250.00	Kgs.
Tested Quantity			
No. of Pcs. Or Coil		Weight	
98.00	COILS.	254.80	Kgs.

CHEMICAL ANALYSIS :

Chemical Composition		Cu	P
Chemical Requirement(%)	Min.	99.90	0.015
	Max.		0.040
Billet No.			
130715-140-1		99.97	0.026

ADDITIONAL DATA :

Item				
Requirement	Unit			
	Min.			
InspectionNo.	Max.			

MECHANICAL TEST :

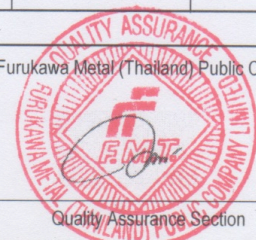
Mechanical Properties		Tensile Strength	Elongation		Grain Size		
Mechanical Requirement	Unit	N/mm ²	(%)		(mm)		
	Min.	205	40		0.025		
InspectionNo.	Max.				0.060		
					0.030		
PS1507-032		245	51				

RoHS FREE

DESCRIPTION OF TEST :

Visual and Dimension Inspection	Expansion	Eddy Current Test	Cleanness Requirement		
GOOD	GOOD	GOOD			

Surveyor to	"We certified that the materials described herein has been manufactured,examined and tested in accordance with the above-mentioned specification."	Furukawa Metal (Thailand) Public Co.,Ltd
Surveyor No.		





CERTIFICATE OF INSPECTION

(MPCL)

DATE	: 31-Jul-2015
ORDER No. / REF. No.	: TS006-0205
P / O No.	:
CUSTOMER	: MACHINERY PRODUCTS CO., LTD.
COMMODITY	: SEAMLESS COPPER PANCAKE COIL : COPPER TUBE
SIZE	: 3/8" X 0.036" X 50'
SPECIFICATION No.	: Copper Tube JIS H3300 C1220T(Reference)
TEMPER GRADE	: O
RT No. / DRAWING No.	:

CERTIFICATE No. 2015073285
Furukawa Metal (Thailand) Public Company Limited
Registration No. Bor Mor Jor. 606
Factory : 213 Moo 4, Friendship Highway, Km. 125 th, Tab-Kwang,
Kaeng Khoi, Saraburi 18260
Tel. 0-3632-9811-20 Fax. 0-3635-7349, 0-3635-7342
Bangkok Office : 183 Regent House Building, 14th Fl., Rajdamri Rd.,
Lumpini, Pathumwan, Bangkok 10330
Tel. 0-2256-0641-50 Fax. 0-2256-0651-2

QUANTITY :

Contracted Quantity			
No. of Pcs. Or Coil		Weight	
		250.00	Kgs.
Tested Quantity			
No. of Pcs. Or Coil		Weight	
67.00	COILS.	217.75	Kgs.

CHEMICAL ANALYSIS :

Chemical Composition		Cu	P
Chemical Requirement(%)	Min.	99.90	0.015
	Max.		0.040
Billet No.			
230715-213-2		99.97	0.025

ADDITIONAL DATA :

Item			
Requirement	Unit		
	Min.		
Inspection No.	Max.		

MECHANICAL TEST :

Mechanical Properties		Tensile Strength	Elongation	Grain Size
Mechanical Requirement	Unit	N/mm ²	(%)	(mm)
	Min.	205	40	0.025
Inspection No.	Max.			0.060
				0.030
PS1507-031		247	52	

RoHS FREE

DESCRIPTION OF TEST :

Visual and Dimension Inspection	Expansion	Eddy Current Test	Cleanliness Requirement
GOOD	GOOD	GOOD	

Surveyor to	"We certified that the materials described herein has been manufactured, examined and tested in accordance with the above-mentioned specification."	 Furukawa Metal (Thailand) Public Co., Ltd. Quality Assurance Section
Surveyor No.		



CERTIFICATE OF INSPECTION

(MPCL)

DATE : 22-Oct-2016

ORDER No. / REF. No. : TS006-0238

P / O No. :

CUSTOMER : MACHINERY PRODUCTS CO., LTD.

COMMODITY : SEAMLESS COPPER PANCAKE COIL
: COPPER TUBE

SIZE : 3/8" X 0.048" X 50'

SPECIFICATION No. : Copper Tube JISH3300 C1220T (Reference)

TEMPER GRADE : O

PART No. / DRAWING No. :

CERTIFICATE No. 2016103250

Furukawa Metal (Thailand) Public Company Limited

Registration No. Bor Mor Jor. 606

Factory : 213 Moo 4, Friendship Highway, Km. 125 th, Tab-Kwang,
Kaeng Khoi, Saraburi 18260

Tel. 0-3632-9811-20 Fax. 0-3635-7349, 0-3635-7342

Bangkok Office : 183 Regent House Building, 14th Fl., Rajdamri Rd.,
Lumpini, Pathumwan, Bangkok 10330

Tel. 0-2256-0641-50 Fax. 0-2256-0651-2

QUANTITY :

Contracted Quantity			
No. of Pcs. Or Coil		Weight	
		500.00	Kgs.
Tested Quantity			
No. of Pcs. Or Coil		Weight	
112.00	COILS.	470.40	Kgs.

CHEMICAL ANALYSIS :

Chemical Composition		Cu	P
Chemical Requirement(%)	Min.	99.90	0.015
	Max.		0.040
Billet No.			
111016-111-1		99.97	0.024

ADDITIONAL DATA :

Item			
Requirement	Unit		
	Min.		
Inspection No.	Max.		

MECHANICAL TEST :

Mechanical Properties		Tensile Strength	Elongation		Grain Size	
Mechanical Requirement	Unit	N/mm ²	(%)		(mm)	
	Min.	205	40		0.025	
Inspection No.	Max.				0.060	
					0.025	
PS1610-031		246	53			

RoHS FREE

DESCRIPTION OF TEST :

Visual and Dimension Inspection	Expansion	Eddy Current Test	Cleanliness Requirement		
GOOD	GOOD	GOOD			

Surveyor to	"We certified that the materials described herein has been manufactured, examined and tested in accordance with the above-mentioned specification."	Furukawa Metal (Thailand) Public Co., Ltd  Quality Assurance Section
Surveyor No.		



CERTIFICATE OF INSPECTION

(MPCL)

DATE	: 21-Mar-2014
ORDER No. / REF. No.	: TS006-0185
P / O No.	:
CUSTOMER	: MACHINERY PRODUCTS CO., LTD.
COMMODITY	: SEAMLESS COPPER PANCAKE COIL COPPER TUBE
SIZE	: 1/2" X 0.036" X 50'
SPECIFICATION No.	: Copper Tube JISH3300 C1220T (Reference)
TEMPER GRADE	: O
FACT No. / DRAWING No.	:

CERTIFICATE No. 2014032948
Furukawa Metal (Thailand) Public Company Limited
Registration No. Bor Mor Jor. 606
Factory : 213 Moo 4, Friendship Highway, Km. 125 th, Tab-Kwang,
Kaeng Khoi, Saraburi 18260
Tel. 0-3632-9811-20 Fax. 0-3635-7349, 0-3635-7342
Bangkok Office : 183 Regent House Building, 14th Fl., Rajdamri Rd.,
Lumpini, Pathumwan, Bangkok 10330
Tel. 0-2256-0641-50 Fax. 0-2256-0651-2

QUANTITY :

Contracted Quantity			
No. of Pcs. Or Coil		Weight	
		500.00	Kgs.
Tested Quantity			
No. of Pcs. Or Coil		Weight	
96.00	COILS.	422.40	Kgs.

CHEMICAL ANALYSIS :

Chemical Composition		Cu	P
Chemical Requirement(%)	Min.	99.90	0.015
	Max.		0.040
Billet No.			
120314-218-3		99.97	0.024

ADDITIONAL DATA :

Item		Unit		
Requirement	Min.			
	Max.			
Inspection No.				

MECHANICAL TEST :

Mechanical Properties		Tensile Strength	Elongation		Grain Size	
Mechanical Requirement	Unit	N/mm ²	(%)		(mm)	
	Min.	205	40		0.025	
Inspection No.					0.060	
PS1403-015		245	52		0.025	

RoHS FREE

DESCRIPTION OF TEST :

Visual and Dimension Inspection	Expansion	Eddy Current Test	Cleanliness Requirement	
GOOD	GOOD	GOOD		

Surveyor to	"We certified that the materials described herein has been manufactured, examined and tested in accordance with the above-mentioned specification."	Furukawa Metal (Thailand) Public Co., Ltd  Quality Assurance Section
Surveyor No.		



CERTIFICATE OF INSPECTION

(MPCL)

DATE : 30-Mar-2016

ORDER No. / REF. No. : TS006-0230

P / O No. :

CUSTOMER : MACHINERY PRODUCTS CO., LTD.

COMMODITY : SEAMLESS COPPER PANCAKE COIL
: COPPER TUBE

SIZE : 1/2" X 0.048" X 50'

SPECIFICATION No. : Copper Tube JISH3300 C1220T (Reference)

TEMPER GRADE : O

PAPT No. / DRAWING No. :

CERTIFICATE No. 2016034723

Furukawa Metal (Thailand) Public Company Limited

Registration No.Bor Mor Jor. 606

Factory : 213 Moo 4, Friendship Highway, Km. 125 th, Tab-Kwang,
Kaeng Khoi, Saraburi 18260

Tel.0-3632-9811-20 Fax.0-3635-7349, 0-3635-7342

Bangkok Office : 183 Regent House Building, 14th Fl., Rajdamri Rd.,
Lumpini,Pathumwan, Bangkok 10330

Tel.0-2256-0641-50 Fax.0-2256-0651-2

QUANTITY :

Contracted Quantity			
No. of Pcs. Or Coil		Weight	
		250.00	Kgs.
Tested Quantity			
No. of Pcs. Or Coil		Weight	
38.00	COILS.	220.40	Kgs.

CHEMICAL ANALYSIS :

Chemical Composition		Cu	P
Chemical Requirement(%)	Min.	99.90	0.015
	Max.		0.040
Billet No.			
230316-163-1		99.97	0.025

ADDITIONAL DATA :

Item		Unit		
Requirement	Min.			
	Max.			
InspectionNo.				

MECHANICAL TEST :

Mechanical Properties		Tensile Strength	Elongation		Grain Size		
Mechanical Requirement	Unit	N/mm ²	(%)		(mm)		
	Min.	205	40		0.025		
InspectionNo.	Max.				0.060		
					0.025		
PS1603-031		251	54				

DESCRIPTION OF TEST :

Visual and Dimension Inspection	Expansion	Eddy Current Test	Cleanliness Requirement		
GOOD	GOOD	GOOD			

RoHS FREE

Surveyor to	"We certified that the materials described herein has been manufactured,examined and tested in accordance with the above-mentioned specification."	Furukawa Metal (Thailand) Public Co.,Ltd  Quality Assurance Section
Surveyor No.		



CERTIFICATE OF INSPECTION

(MPCL)

DATE : 23-Nov-2012

CERTIFICATE No. 2012112617

ORDER No. / REF. No. : TS006-0154

Furukawa Metal (Thailand) Public Company Limited

Registration No. Bor Mor Jor. 606

Factory : 213 Moo 4, Friendship Highway, Km. 125 th, Tab-Kwang, Kaeng Khoi, Saraburi 18260

Tel. 0-3632-9811-20 Fax. 0-3635-7349, 0-3635-7342

Bangkok Office : 183 Regent House Building, 14th Fl., Rajdamri Rd., Lumpini, Pathumwan, Bangkok 10330

Tel. 0-2256-0641-50 Fax. 0-2256-0651-2

P / O No. :

CUSTOMER : MACHINERY PRODUCTS CO., LTD.

COMMODITY : SEAMLESS COPPER PANCAKE COIL
: COPPER TUBE

SIZE : 5/8" X 0.036" X 50'

SPECIFICATION No. : Copper Tube JISH3300 C1220T (Reference)

TEMPER GRADE : O

RT No. / DRAWING No. :

QUANTITY :

Contracted Quantity			
No. of Pcs. Or Coil		Weight	
		250.00	Kgs.
Tested Quantity			
No. of Pcs. Or Coil		Weight	
42	COILS.	235.20	Kgs.

CHEMICAL ANALYSIS :

Chemical Composition		Cu	P
Chemical Requirement(%)	Min.	99.90	0.015
	Max.		0.040
Billet No.			
121112-077-3		99.97	0.024

ADDITIONAL DATA :

Item		Unit		
Requirement	Min.			
	Max.			
Inspection No.				

MECHANICAL TEST :

Mechanical Properties		Tensile Strength	Elongation	Grain Size	
Mechanical Requirement	Unit	N/mm ²	(%)	(mm)	
	Min.	205	40	0.025	
Inspection No.	Max.			0.060	
		241	48	0.030	
PS1211-033					

RoHS FREE

DESCRIPTION OF TEST :

Visual and Dimension Inspection	Expansion	Eddy Current Test	Cleanliness Requirement	
GOOD	GOOD	GOOD		

Surveyor to

"We certified that the materials described herein has been manufactured, examined and tested in accordance with the above-mentioned specification."

Furukawa Metal (Thailand) Public Co., Ltd

Surveyor No.

Quality Assurance Section



CERTIFICATE OF INSPECTION

(BTF)

DATE : 05-Mar-2016

CERTIFICATE No. 2016030782

ORDER No. / REF. No. : TS035-0123

Furukawa Metal (Thailand) Public Company Limited

Registration No. Bor Mor Jor. 606

Factory : 213 Moo 4, Friendship Highway, Km. 125 th, Tab-Kwang,
Kaeng Khoi, Saraburi 18260

Tel. 0-3632-9811-20 Fax. 0-3635-7349, 0-3635-7342

Bangkok Office : 183 Regent House Building, 14th Fl., Rajdamri Rd.,
Lumpini, Pathumwan, Bangkok 10330

Tel. 0-2256-0641-50 Fax. 0-2256-0651-2

P / O No. : TANI-FEB-01

CUSTOMER : BANGKOK COPPER TUBE LIMITED PARTNER

COMMODITY : SEAMLESS COPPER PANCAKE COIL
: COPPER TUBE

SIZE : 5/8" X 0.048" X 50'

SPECIFICATION No. : Copper Tube JIS H3300 C1220T(Reference)

TEMPER GRADE : O

PART No. / DRAWING No. :

QUANTITY :

Contracted Quantity			
No. of Pcs. Or Coil		Weight	
		200.00	Kgs.
Tested Quantity			
No. of Pcs. Or Coil		Weight	
24.00	COILS.	177.60	Kgs.

CHEMICAL ANALYSIS :

Chemical Composition		Cu	P
Chemical Requirement(%)	Min.	99.90	0.015
	Max.		0.040
Billet No.			
250216-003-2		99.98	0.021

ADDITIONAL DATA :

Item		Unit		
Requirement	Min.			
	Max.			
Inspection No.				

MECHANICAL TEST :

Mechanical Properties		Tensile Strength	Elongation	Grain Size
Mechanical Requirement	Unit	N/mm ²	(%)	(mm)
	Min.	205	40	0.025
Section No.	Max.			0.060
				0.030
PS1603-001		249	52	

DESCRIPTION OF TEST :**RoHS FREE**

Visual and Dimension Inspection	Expansion	Eddy Current Test	Cleanliness Requirement
GOOD	GOOD	GOOD	

Surveyor to

"We certified that the materials described herein has been
manufactured, examined and tested in accordance with
the above-mentioned specification."

Furukawa Metal (Thailand) Public Co., Ltd

Surveyor No.

Quality Assurance Section



CERTIFICATE OF INSPECTION

(MPCL)

DATE : 18-Feb-2016

CERTIFICATE No. 2016022564

ORDER No. / REF. No. : TS006-0225

Furukawa Metal (Thailand) Public Company Limited

Registration No. Bor Mor Jor. 606

Factory : 213 Moo 4, Friendship Highway, Km. 125 th, Tab-Kwang, Kaeng Khoi, Saraburi 18260

Tel. 0-3632-9811-20 Fax. 0-3635-7349, 0-3635-7342

Bangkok Office : 183 Regent House Building, 14th Fl., Rajdamri Rd., Lumpini, Pathumwan, Bangkok 10330

Tel. 0-2256-0641-50 Fax. 0-2256-0651-2

P / O No. :

CUSTOMER : MACHINERY PRODUCTS CO., LTD.

COMMODITY : SEAMLESS COPPER PANCAKE COIL
: COPPER TUBE

SIZE : 3/4" X 0.060" X 50'

SPECIFICATION No. : Copper Tube JIS H3300 C1220T(Reference)

TEMPER GRADE : O

PA No. / DRAWING No. :

QUANTITY :

Contracted Quantity			
No. of Pcs. Or Coil		Weight	
		250.00	Kgs.
Tested Quantity			
No. of Pcs. Or Coil		Weight	
12.00	COILS.	133.20	Kgs.

CHEMICAL ANALYSIS :

Chemical Composition		Cu	P
Chemical Requirement(%)	Min.	99.90	0.015
	Max.		0.040
Billet No.			
090216-112-1		99.97	0.026

ADDITIONAL DATA :

Item				
Requirement	Unit			
	Min.			
Inspection No.	Max.			

MECHANICAL TEST :

Mechanical Properties		Tensile Strength	Elongation		Grain Size	
Mechanical Requirement	Unit	N/mm ²	(%)		(mm)	
	Min.	205	40		0.025	
Inspection No.	Max.				0.060	
					0.025	
PS1602-013		245	54			

RoHS FREE

DESCRIPTION OF TEST :

Visual and Dimension Inspection	Expansion	Eddy Current Test	Cleanness Requirement	
GOOD	GOOD	GOOD		

Surveyor to	"We certified that the materials described herein has been manufactured, examined and tested in accordance with the above-mentioned specification."	Furukawa Metal (Thailand) Public Co., Ltd.  Quality Assurance Section
Surveyor No.		