



## TENSILE TEST REPORT

<b>MTL Report No.</b>	J53236.1 <i>Reissue 1</i>	<b>Order No.</b>	G707104	<b>Date Tested</b>	23/10/2018
<b>Client Name</b>	Spiraweld Stainless Limited			<b>Attention</b>	Campbell Batts
<b>Test Method</b>	AS 2205/ Method 2.1/ 2003				
<b>Sample Identification</b>	<b>Joint Type</b>	Spiral weld pipe		<b>Material</b>	Stainless Steel
	<b>Materials Thickness (mm)</b>	3mm-2mm		<b>Process</b>	Not supplied
	<b>Procedure</b>	Not supplied		<b>Welder I.D.</b>	Not supplied
	<b>Marking</b>	30 "3mm 316L" , 8"2mm"304L"			
<b>Equipment Used</b>	Shimadzu Universal Grade 1 Testing Machine, Model No. REH 50, Serial No. 72666. Calibration due June 2019.				

### RESULTS

#### *Transverse Tensile Test*

Reduced specimen, weld reinforcement removed.

Test No.	1	2
<b>Diameter / Dimensions (mm)</b>	2.98×17.04	1.93×17.13
<b>Tensile Load (N)</b>	27660	22440
<b>Tensile Strength (MPa)</b>	545	679
<b>Fracture Location</b>	Weld	Weld
<b>Throat Dimensions (mm)</b>	No defects Observed	No defects Observed

This report applies only to the sample/s as tested.

<b>Testing Technician</b>	Jim Saunders	<b>Date of Issue</b>	15/11/2018
<b>Checked By</b>	Driekus Barnard	<b>Approved by</b>	Jim Saunders - IANZ Signatory
<b>Signature</b>		<b>Signature</b>	



**允強實業股份有限公司**  
**YC INOX CO., LTD.**

**檢驗證明書**

MILL TEST CERTIFICATE

4661

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客戶名稱 Customer	SANDVIK NEW ZEALAND LTD.		客戶編號 Customer No.	FNZ001		證明書編號 Certificate No.	130625C0084						
產品名稱 Production	PRIME COLD ROLLED STAINLESS STEEL COIL		商業發票號碼 Commercial Invoice No.	J13060292		證明書日期 Date of issue	2013/06/25						
規格名稱 Specification	ASTM A240M-12a/A480M-12		客戶採購系統 PO No.	18364		訂單編號 Order No.	EC13040535-1						
鋼種 Steel Grade	304/304L		提貨單編號 Weight No.	C13060322		P.I.號碼 P.I.NO.	A10204316						
項目 Item No.	爐號 Heat No.	產品規格 Product Description	化學成份 (%) Chemical Composition						*01 硬度試驗 HRB °C/W.Q.	*02 熱處理 °C/W.Q.	箱號 C/No.		
			尺寸 Dimension	碳 C X10 <sup>-2</sup>	矽 Si X10 <sup>-2</sup>	錳 Mn X10 <sup>-2</sup>	磷 P X10 <sup>-3</sup>	硫 S X10 <sup>-3</sup>				銅 Cu X10 <sup>-2</sup>	鉻 Cr X10 <sup>-1</sup>
1	C34AY1302643	Specification 2mm x 1,500.0mm x C 2.5mm x 1,219.0mm x C	保模 Protect	表面 Finish	重量 Weight kgs	數量 Quantity Pcs	拉伸試驗 Tension Test				*01 硬度試驗 HRB °C/W.Q.	*02 熱處理 °C/W.Q.	箱號 C/No.
2	C34AT1300969		Min. P1	2B	2,895	1	屈服 Y.S. MPa	抗拉 T.S. MPa	伸長率 E.L. %	HRB °C/W.Q.			
TOTAL:			Max. P1	2B	2,795	1	205	515	40	92	1050	6	7
附註 Remark		Standards: ASME SA240 Intergranular Corrosion Test (according to ASTM A262 Practice E) : OK Hardness according to NACE MR0175 / ISO 15156-3:2009 : Satisfactory. This certificate complies to 3.1/EN 10204:2004. 註冊 Note Visual Inspection (Surface) and Dimension Check : OK 1MPa=1N/mm <sup>2</sup> ; 10bar=145psi=10.2kgf/cm <sup>2</sup> *01= Hardness Test *02= Heat Treatment *Gauge Length: 50mm 1. ISO 9001:2008 (No.01 100 056299) 2. PED / AD2000 (No.01 202 ROC/Q-05 0105) 3. ISO 14001:2004 (No.01 104 822 096385) 4. OHSAS 18001:2007 (No.01 113 822 096385) 茲證明本文所列產品，均依材料標準製造及試驗，並符合標準之要求，與無輻射污染 We hereby certify that material described herein has been manufactured and tested with satisfactory results in accordance with the requirement of the above material specification. The material described above has been detected with free irradiation by raw material supplier. 經理 鄭真敏: 3119 Manager of Quality Assurance Department YC-20007-01C											

8" 2mm  
306  
33  
34



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# 檢驗證明書

INSPECTION CERTIFICATE

**允強實業股份有限公司**  
YC INOX CO., LTD.

客戶名稱 Customer	S&T STAINLESS LTD.	客戶編號 Customer No.	FNZ007	證明書編號 Certificate No.	170913C0030
產品名稱 Production	PRIME COLD ROLLED STAINLESS STEEL COIL	商業發票號碼 Commercial Invoice No.	J117090091	證明書日期 Date of Issue	2017/09/08
規範名稱 Specification	ASTM A240M-16a/A480M-16b	客戶採購單號 PO No.	PO00008049	訂單編號 Order No.	EC17080028-3
鋼種 Steel Grade	316L	提貨單編號 Weight No.	C17090166	P.I.號碼 P.I.No.	A10608019

項目 Item No.	爐號 Heat No.	產品規格 Product Description	化學成份(%) Chemical Composition										拉伸試驗 Tension Test			*02 硬度 試驗 HRB/C/M.Q.			
			C	Si	Mn	P	S	Ni	Cr	Mo	N	屈服 0.2%y.s.	抗拉 T.S.	伸長率 E.L.					
Specification																			
1	C37AT1702911	3mm x 1,219.0mm x C	30	75	200	45	30	1400	1800	300	100	1000	1600	200	170	485	40	95	1040
2	C37AT1702911	3mm x 1,219.0mm x C	20	49	89	33	3	1005	1655	206	15	276	599	53	276	599	53	79	1050
3	C37AT1702986	2mm x 1,219.0mm x C	20	49	89	33	3	1005	1655	206	15	276	599	53	276	599	53	79	1050
4	C37AT1702986	2mm x 1,219.0mm x C	21	51	87	35	4	1004	1677	212	8	283	599	50	283	599	50	78	1050
TOTAL:																			

附註 Remarks	附註 Remarks	註解 Note
Standards: ASME SA240/SA480	This certificate complies to 3.1/EN 10204:2004.	*01= Hardness Test *02= Heat Treatment *Gauge Length: 50mm
Surveyor By	Visual Inspection(Surface) and Dimension Check : OK	1.MPa=1N/mm <sup>2</sup> =10bar=145psi= 10.2kgf/cm <sup>2</sup>
N/A	茲證明本文所列產品，均依材料標準製造及試驗，並符合標準之要求，與無輻射污染。 We hereby certify that material described herein has been manufactured and tested with satisfactory results in accordance with the requirement of the above material specification. The material described above has been found free of radiation by raw material supplier.	1.ISO 9001:2008 (No.01 100 036299) 2.PED / AD2000 (No.01 202 TWM/O-05 0103) 3.ISO 14001:2004 (No.01 104 822 096385) 4.OHSAS 18001:2007 (No.01 113 822 096385)
	Inspector	Manager of Quality Assurance Department <i>Jie Yi Chen</i>

30"  
3mm  
316