

EA-111067

无锡市华友特钢有限公司

Wuxi Huayou Special Steel Co., Ltd.

产品质量证明书

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MILL TEST CERTIFICATE
(ACCORDING TO EN10204.3.1)

订货单位 CUSTOMER	SALZGITTER MANNESMANN INTERNATIONAL (HK) LIMITED				证书号 CERTIFICATE NO.	CX140930-04		制造方法 MAKING METHOD	热轧 HOT ROLLED			
货描 DESCRIPTION	PRIME SEAMLESS CARBON STEEL PIPE NORM NACE BLACK LACQUER COATING, CAPS ON BOTH ENDS, BEVELED ENDS				PO NO.	SMHK-CAN-14-1144		交货状态 DELIVERY CONDITION	热轧态 AS-ROLLED			
产品名称 PRODUCT	无缝钢管 SEAMLESS CARBON STEEL PIPE				合同号 CONTRACT NO.	HYSALZ14053001C		热处理工艺 HEAT TREATMENT	-			
标准 SPECIFICATION	ASTM A53/A106/API 5L PSL1				钢级 GRADE	B/X42		出货日期 DATE OF ISSUE	2014. 10. 10			
外径 O. D.	508mm 20"	壁厚 W. T.	12.7mm SCH 30	长度 LENGTH	12m		总支数 TOTAL PIECES (PCS)	7	总米数 TOTAL METERS	84m	总重量(吨) TOTAL WEIGHT (TONS)	13.027

序号 NO.	生产批号 WORK NO.	炉号 HEAT NO.	支数 PCS	化 学 成 份 % CHEMICAL COMPOSITION													非金属夹杂物 (级) Non-Metallic Inclusions (Grade)							
				*1	碳 C	硅 Si	锰 Mn	磷 P	硫 S	铜 Cu	镍 Ni	铬 Cr	钼 Mo	钒 V	硼 B	铌 Nb	钛 Ti	铋 Bi	砷 As	A	B	C	D	
				Max	0.28	-	1.06	0.030	0.030	0.40	0.40	0.40	0.15	0.08										
1	XM14589345	T52813	7	H	0.21	0.24	0.51	0.014	0.015	0.011	0.006	0.006	0.003	0.003										

同上序 号 NO.	拉伸试验 TENSILE TEST 标距 GAUGE LENGTH (50.8mm)			冲击试验 IMPACT TEST A _{kv} (J)				硬度试验 HARDNESS TEST	水压试验 HYDROSTATIC TEST	无损探伤检验 N. D. E.		金相试验 METALLOGRAPHIC EXAMINATION		
	*2 *3	抗拉强度 T.S. MPa	屈服强度 Y.S. *4 MPa	伸长率 E.L. A %	试验温度 TEMPERATURE OF TEST 10×10×55 (20°C)					涡流探伤 E. T.	超声波探伤 U. T.	显微组织 MICROSTRUC- TURE	晶粒度 (级) GRAIN SIZE	
	Max Min	- 415	- 290	- 29.5	1	2	3			AVG				
1	L	485/480	320/330	33/32	-	-	-	-			合格 GOOD	合格 GOOD		

外观和尺寸 VISUAL & DIMENSION	合格 GOOD	压扁试验 FLATTENING TEST	合格 GOOD	弯曲试验 BENDING TEST	合格 GOOD	扩口试验 EXPAND TEST	合格 GOOD	晶间腐蚀试验 Intergranular Corrosion Test	合格 GOOD
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注 释 NOTES: *1, H: HEAT (LADLE) ANALYSIS; P: PRODUCT ANALYSIS. *2, 试样尺寸 SIZE: 条形试样 STRIP T X 38.1mm. *3, 试验方向 ORIENTATION: L=纵向 LONGITUDINAL. *4, SY=0.2%OFFSET.
WE HEREBY CONFIRM THAT OUR PRODUCTS ARE MADE WITH MATERIALS WHICH ARE FREE FROM RADIATION CONTAMINATION

会 验 者 SURVEYOR: 兹证明本表所列产品, 均依标准规定制造、取样、试验和检验, 并符合标准及合同要求。
WE HEREBY CERTIFY THAT THE MATERIALS DESCRIBED HEREIN HAVE BEEN MANUFACTURED, SAMPLED, TESTED AND INSPECTED IN ACCORDANCE WITH THE CUSTOMER'S SPECIFICATION (S), AND THAT THEY SATISFY THE REQUIREMENTS.

检验员 INSPECTOR: 潘良亭
审核人 CHIEF: 曹良亭

STAMP OF MILL INSPECTOR

TUBOS Y BARRAS HUECAS DE MEXICO, S.A DE C.V.
PLESA ANAHUAC Y CIAS
CLIENTE :
13/09/2018
PEDIDO : 380166
CANTIDAD : 12.00 MTS.

WUXI HUAYOU SPECIAL STEEL CO., LTD IS THE MANUFACTURER OF THE MATERIAL
COUNTRY OF ORIGIN OF GOODS: CHINA EXPORTER COUNTRY: P.R. CHINA LOT NUMBER: 2ND LOT