




产品质量证明书

MILL TEST CERTIFICATE

EN10204-3.1

公司名称: 湖南亚世通工程材料有限公司
 Company: Hunan Yasco Engineering Materials Co.,Ltd
 地址: 湖南省长沙市岳麓区金星南路29号中一九骏2栋2702室
 Add: Room 2702,Building2,Zhongyi JiuJun,Jinxing Road,Changsha,Hunan,China.410011
 电话/传真: +86-731-85240616 Tel/Fax: +86-731-85240616 Web: www.hnyasco.com

产品(Product): 不锈钢焊管 (Stainless Steel Welded Pipe)
 状态(Condition): 酸洗 (Pickled & Passivated)
 客户(Customer): WE CONSTRUCTION.,JSC
 订单号(Contract No.): 01-323- WEC-YASCO
 合同号(Invoice No.): YST20230303199
 证书号(Certificate No.): YST20230508001

序号 No.	牌号 Grade	规格(mm) Dimensions	米数 Mtrs.	支数 Pcs.	炉号 Heat No.	批号 Batch No.	化学成分 Chemical Composition (%)										机械性能 Mechanical Properties			执行标准 Specification	
							C	Si	Mn	P	S	Cr	Ni	Mo	N	Cu	Ti	Y.S0.2 (MPa)	T.S (MPa)		E.L (%)
1	TP304	406.4×6.5×6000	36	6	N230206AY02	FYX499	0.031	0.36	1.07	0.033	0.003	18.26	8.02	-	-	-	-	283	637	56.5	ASTM A312/312M-19
2		355.6×6.5×6000	342	57	N230228AX10	FYX499	0.029	0.33	1.12	0.033	0.002	18.10	8.03	-	-	-	-	282	638	56.5	
3		323.9×6.5×6000	72	12	J212238101	FYX499	0.038	0.45	0.91	0.029	0.003	18.02	8.01	-	-	-	-	315	677	56	
4		273.1×6.5×6000	54	9	J212209304	FYX499	0.042	0.47	0.93	0.030	0.002	18.05	8.02	-	-	-	-	321	658	58	
5		219.1×6.5×6000	330	55	J212186903	FYX499	0.028	0.48	0.93	0.030	0.002	18.07	8.03	-	-	-	-	318	655	58	
序号 No.	无损探伤NDT			水压检测		硬度	晶间腐蚀		工艺性能试验 Technology Test					尺寸及表面质量		说明Notes Y.S-屈服强度 Yield Strength T.S-抗拉强度 Tensile Strength E.L-伸长率 Elongation (%) R.F-展平 Reverse Flattening E.T-涡流探伤 Eddy Current Test U.T-超声波 Ultrasonic Test R.T-射线探伤 Radiography					
ET	UT	RT	Hydrostatic Test		Hardness (HRB)	Intergranular Corrosion	Flaring	Flattening	Flange	R.F	Bending	Dimensional and Visual Examination									
1	-	-	OK	-	-	OK	OK	OK	-	-	-	OK									
2	-	-	OK	-	-	OK	OK	OK	-	-	-	OK									
3	-	-	OK	-	-	OK	OK	OK	-	-	-	OK									
4	-	-	OK	-	-	OK	OK	OK	-	-	-	OK									
5	-	-	OK	-	-	OK	OK	OK	-	-	-	OK									
水压试验 Hydrostatic Test			P=2St/D		热处理 Heat Treatment: 1050~1110℃			/													
备注 REMARK: 1. 1Ksi=1000Psi, 1Mpa=1N/mm² =0.145038Ksi. 2. PMI TEST 100% GOOD 3. ELONGATION IN 50MM LONGITUDIAL 4. HEAT TREATMENT 1050C FOR 5MIN. (W.Q) 5. MEASUREMENTS & SURFACE: GOOD 6. IGC AS PER ASTM A-262 PR.E 7. NACE STD: NACE MR0175-MR0103 ED - 2015 8. FLARING TESTING IS ACC. TO ASTM A1016 9. FLATTENING TESTING IS ACC. TO ASTM A1016							制表 Typed by:		许文俊			We hereby certify that the products described herein have been manufactured and tested in accordance with the specification and with requirements of the purchase order or									
							日期 Date 2023-05-08								 质量检验章 QUALITY INSPECTION						
							批准人 Approved by:		李力												
日期 Date 2023-05-08					Company Seal																




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 Add: Room 2702,Building2,Zhongyi JiuJun,Jinxing Road,Changsha,Hunan,China.410011
 电话/传真: +86-731-85240616 Tel/Fax: +86-731-85240616 Web: www.hnyasco.com

产品(Product): 不锈钢焊管 (Stainless Steel Welded Pipe)
 状态(Condition): 酸洗 (Pickled & Passivated)
 客户(Customer): WE CONSTRUCTION.,JSC
 订单号(Contract No.): 01-323- WEC-YASCO
 合同号(Invoice No.): YST20230303199
 证书号(Certificate No.): YST20230508001

序号 No.	牌号 Grade	规格(mm) Dimensions	米数 Mtrs.	支数 Pcs.	炉号 Heat No.	批号 Batch No.	化学成分 Chemical Composition (%)										机械性能 Mechanical Properties			执行标准 Specification	
							C	Si	Mn	P	S	Cr	Ni	Mo	N	Cu	Ti	Y.S0.2 (MPa)	T.S (MPa)		E.L (%)
1	TP304	114.3×4.7×6000	1272	212	1911824	FYX499	0.039	0.47	0.92	0.031	0.002	18.08	8.03	-	-	-	-	311	643	56	ASTM A312/312M-19
2		141.3×5.7×6000	18	3	1815788	FYX499	0.041	0.44	0.98	0.032	0.001	18.13	8.01	-	-	-	-	291	639	55.5	
3		168.3×5.7×6000	558	93	1815788	FYX499	0.041	0.44	0.98	0.032	0.001	18.13	8.01	-	-	-	-	299	641	57.5	
4		114.3×3.05×6000	6	1	1910322	FYX499	0.034	0.39	0.99	0.033	0.001	18.21	8.03	-	-	-	-	299	641	57.5	
5		168.3×3.4×6000	24	4	1914489	FYX499	0.042	0.41	1.01	0.033	0.002	18.09	8.02	-	-	-	-	321	655	56	
序号 No.	无损探伤NDT			水压检测		硬度	晶间腐蚀		工艺性能试验 Technology Test				尺寸及表面质量			说明Notes Y.S-屈服强度 Yield Strength T.S-抗拉强度 Tensile Strength E.L-伸长率 Elongation (%) R.F-展平 Reverse Flattening E.T-涡流探伤 Eddy Current Test U.T-超声波 Ultrasonic Test R.T-射线探伤 Radiography					
ET	UT	RT	Hydrostatic Test	Hardness (HRB)	Intergranular Corrosion	Flaring	Flattening	Flange	R.F	Bending	Dimensional and Visual Examination										
1	-	-	OK	-	-	OK	OK	OK	-	-	-	OK									
2	-	-	OK	-	-	OK	OK	OK	-	-	-	OK									
3	-	-	OK	-	-	OK	OK	OK	-	-	-	OK									
4	-	-	OK	-	-	OK	OK	OK	-	-	-	OK									
5	-	-	OK	-	-	OK	OK	OK	-	-	-	OK									
水压试验 Hydrostatic Test			P=2St/D		热处理 Heat Treatment: 1050~1110℃		/														
备注 REMARK: 1. 1Ksi=1000Psi, 1Mpa=1N/mm² =0.145038Ksi. 2. PMI TEST 100% GOOD 3. ELONGATION IN 50MM LONGITUDIAL 4. HEAT TREATMENT 1050C FOR 5MIN. (W.Q) 5. MEASUREMENTS & SURFACE: GOOD 6. IGC AS PER ASTM A-262 PR.E 7. NACE STD: NACE MR0175-MR0103 ED - 2015 8. FLARING TESTING IS ACC. TO ASTM A1016 9. FLATTENING TESTING IS ACC. TO ASTM A1016							制表 Typed by:		许文俊			We hereby certify that the products described herein have been manufactured and tested in accordance with the specification and with requirements of the purchase order or									
							日期 Date 2023-05-08														
							批准人 Approved by:		李力												
日期 Date 2023-05-08					 质量检验章 QUALITY INSPECTION Company Seal																




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产品(Product): 不锈钢无缝管 (Stainless Steel Seamless Pipe)
 状态(Condition): 酸洗固溶退火 (Pickled & Solution Annealed)
 客户(Customer): WE CONSTRUCTION.,JSC
 订单号(Contract No.): 01-323- WEC-YASCO
 合同号(Invoice No.): YST20230303199
 证书号(Certificate No.): YST20230508002

序号 No.	牌号 Grade	规格(mm) Dimensions	米数 Mtrs.	支数 Pcs.	炉号 Heat No.	批号 Batch No.	化学成分 Chemical Composition (%)										机械性能 Mechanical Properties			执行标准 Specification	
							C	Si	Mn	P	S	Cr	Ni	Mo	N	Cu	Ti	Y.S0.2 (MPa)	T.S (MPa)		E.L (%)
1	TP304	21.3×2.77×6000	132	22	N221106AK25	FYX499	0.039	0.44	1.04	0.031	0.001	18.12	8.04	-	-	-	-	309	647	57	ASTM A312/312M-19
2		26.7×2.87×6000	6	1	N221106AK25	FYX499	0.039	0.44	1.04	0.031	0.001	18.12	8.04	-	-	-	-	309	647	57	
3		33.4×3.38×6000	30	5	N221106AK25	FYX499	0.039	0.44	1.04	0.031	0.001	18.12	8.04	-	-	-	-	309	647	57	
4		48.3×3.68×6000	300	50	N221106AK25	FYX499	0.039	0.44	1.04	0.031	0.001	18.12	8.04	-	-	-	-	309	647	57	
5		60.3×3.91×6000	300	50	N221106AK25	FYX499	0.039	0.44	1.04	0.031	0.001	18.12	8.04	-	-	-	-	309	647	57	
6		73×5.16×6000	18	3	N221106AK25	FYX499	0.039	0.44	1.04	0.031	0.001	18.12	8.04	-	-	-	-	309	647	57	
7		88.9×5.49×6000	72	12	N221106AK25	FYX499	0.039	0.44	1.04	0.031	0.001	18.12	8.04	-	-	-	-	309	647	57	
序号 No.	无损探伤NDT			水压检测		硬度	晶间腐蚀		工艺性能试验 Technology Test				尺寸及表面质量			说明Notes Y.S-屈服强度 Yield Strength T.S-抗拉强度 Tensile Strength E.L-伸长率 Elongation (%) R.F-展平 Reverse Flattening E.T-涡流探伤 Eddy Current Test U.T-超声波 Ultrasonic Test R.T-射线探伤 Radiography					
ET	UT	RT	Hydrostatic Test	Hardness (HRB)	Intergranular Corrosion	Flaring	Flattening	Flange	R.F	Bending	Dimensional and Visual Examination										
1	OK	-	-	-	-	OK	OK	OK	-	-	-	OK									
2	OK	-	-	-	-	OK	OK	OK				OK									
3	OK	-	-	-	-	OK	OK	OK				OK									
4	OK	-	-	-	-	OK	OK	OK				OK									
5	OK	-	-	-	-	OK	OK	OK				OK									
6	OK	-	-	-	-	OK	OK	OK				OK									
7	OK	-	-	-	-	OK	OK	OK	-	-	-	OK									
水压试验 Hydrostatic Test			P=2St/D		热处理 Heat Treatment: 1050~1110℃		固溶,水冷:Solution Treatment,Water Quenching														
备注 REMARK: 1. 1Ksi=1000Psi, 1Mpa=1N/mm² =0.145038Ksi. 2. PMI TEST 100% GOOD 3. ELONGATION IN 50MM LONGITUDIAL 4. HEAT TREATMENT 1050C FOR 5MIN. (W.Q) 5. MEASUREMENTS & SURFACE: GOOD 6. IGC AS PER ASTM A-262 PR.E 7. NACE STD: NACE MR0175-MR0103 ED - 2015 8. FLARING TESTING IS ACC. TO ASTM A1016 9. FLATTENING TESTING IS ACC. TO ASTM A1016							制表 Typed by: 许文俊		日期 Date 2023-05-08			批准人 Approved by: 李力			日期 Date 2023-05-08			We hereby certify that the products described herein have been manufactured and tested in accordance with the specification and with requirements of the purchase order or			
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