Changzhou Tremen Steel

MILL TEST CERTIFICATE (EN10204:2004 3.1)

SAMPLES

For more MTC samples, please visit www.ctstubes.com

Contract No.: XXX | Condition of delivery: Normalizing | Description of Goods: Seamless Boiler Tubes | Standard: ASTM A192 | No.: XXX

Item No.	Steel Grade	Size (mm) D*S*R	Heat No.	Lot No.	Chemical Composition %												Making Method		Cold Drawn Seamless		
					C	Si	Mn	P	S	Cr	Ni	Cu	Ti	Mo	V	Al	E.T. E309	U.T. E213	EMI E570	Hydrostatic Test ≥5S	Drift Test
					2	2	2	3	3	2	2	2	3	3	3	2					
					2=0.01, 3=0.001, 4=0.0001, 5=0.00001																	
1	A192	38.1*5	16-203	1607223	10	22	38	11	3	3	1	3		1	1		ok	ok	ok	ok	ok
2	A192	38.1*5	16-203	1607224	10	22	38	11	3	3	1	3		1	1		ok	ok	ok	ok	ok
3	A192	38.1*5	16-203	1607225	10	22	38	11	3	3	1	3		1	1		ok	ok	ok	ok	ok

Item No.	Rm T.S Mpa	Rp0.2 Y.S Mpa	A E.L. %	Flatten Test	Flare Test	Sample Direction	Gage Length (mm)	Sample Width (mm)	Decarburized Layer		Non-metallic Inclusion								Impact Test			Hardness Test	Quantity		
											A		B		C		D		Temper-ature ℃				Bundles	Pcs	Kg Weight
									Outside	Inside	粗C	细F	粗C	细F	粗C	细F	粗C	细F	1	2	3				
1	419	309	46.0	合格good	合格good	纵向 Longitudinal Test Piece	50.0	19.1														64HRB	1case	200	197
	427	315	48.0	合格good	合格good																	65HRB			
2	419	309	46.0	合格good	合格good	纵向 Longitudinal Test Piece	50.0	19.1														64HRB		300	380
	427	315	48.0	合格good	合格good																	65HRB			
2	419	309	46.0	合格good	合格good	纵向 Longitudinal Test Piece	50.0	19.1														64HRB		400	557
	427	315	48.0	合格good	合格good																	65HRB			
																								900	1134

Remarks	
	1 The surface quality, outer dimension all meet the requirements technical.
	2 If dissents arise, please tell us detail of certification No., Lot, No., Size and Weight.
	3 Production license code:

Certification Signature

Address: Hutang Town, Wujin District, Changzhou City

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