BAOSHAN IRON&STEEL CO.,LTD.

MAGOC02

INSPECTION CERTIFICATE

3521TONGJI ROAD.BAOSHAN DISTRICT
201900 SHANGHAI.P.R.CHINA
TEL:(021)56782011 FAX:(021)56788269
HTTP:\\WWW.BAOSTEEL.COM\BSTIM

CUSTOMER		PRODUCT	Steel pipe		
PURCHASER		CUSTOMER' S NO.	272258	CERTIFICATION NO.	T20302013
SPECIFICATION	ASME B36.10M-1996 ASTM A106/A53 GR.B No Coating	DATE OF DELIVERY	20210717	CONTRACT NO.	G20206213
		CUSTOMER ORDER NO.		DATE OF ISSUE	20210717
		STAMP OF MILL INSPECTER	LICENSE	XK05-108-001	

O.D.	17.1	W.T.	3.00	Length Scope	6.00m—12.00m	Total Length		Total Bundles		Order Quantity.	6.54 MT		
Total pcs		Total Weight	6.54 MT	Delivery Condition	As-Rolled	Making Method	Hot Finished Seamless						

No.	Heat No.	*1	*2	Chemical Composition% C	Si	Mn	P	S	V	Ni	Cr	Mo	Cu	Nb	Lot No.	*3	*4	*5	Tensile Test G.L.=L1 Y.S. *6	T.S.	E.L.	HB	Impact Test *3	*4	*7	*8	1	2	3	AVG	Hardness Test	Microstructure	Grain size
				2	2	2	3	3	3	2	2	2	2	3																			
				1=X10, 2=X100, 3=X1000, 4=X10000, 5=X100000															MPa		%													
MIN				17	10	29	—	—	—	—	—	—	—	—					240	415	25	—											
MAX				22	—	135	50	58	30	40	40	15	40	10					—	585	—	197											
1	21121		H	18	13	78	22	25	19	21	19	8	20	6	64251	P			275	465	28.5	160											
2		C														P	2	1	285	470	29.0	165											
4																																	
5																	2	1															
6																																	
7																																	
8																																	
9																																	

E.T.	--	E.M.I.	--	U.T.	--	M.P.I.	--	W.T.Mesure	——% Coverage	Visual& Dimensions	Good	Coating	--	Drift Test	--		

Expansion	Ring Expansion	Ring Tensile	Flattening	Bending	Heat Treatment	NDT			
--	--	--	Good	--	--	Good			

NOTES	G.L.=Gauge Length L1=5.65 SQRT(F0) *1 Procese Continuous Casting *2 Chemical Composition H=Heat(Ladle) Analysis *3 Size 2= Strip T×20mm *5 Orientation 1= Longitudinal *6 = σs
REMARK	
SURVEYOR	WE HERE CERTIFY THAT THE MATERIAL. HEREIN DESCRIBED HAS BEEN MANUFACTURED, TESTED IN ACCORDANCE WITH ABOVE STANDARD AND SPECIFICATION AND SATISFIED THE REQUIRMENTS.

BAOSHAN LAND AND STEEL CO.,LTD (PUBLIC) Special seal for quality certificate

BAOSHAN IRON&STEEL CO., LTD.

MAGOC02

INSPECTION CERTIFICATE

3521TONGJI ROAD.BAOSHAN DISTRICT
201900 SHANGHAI.P.R.CHINA
TEL:(021)56782011 FAX:(021)56788269
HTTP:\\WWW.BAOSTEEL.COM\BSTIM

CUSTOMER		PRODUCT	Steel pipe		
PURCHASER		CUSTOMER' S NO.	654286	CERTIFICATION NO.	T20302524
SPECIFICATION	ASME B36.10M-1996 ASTM A106/A53 GR.B No Coating	DATE OF DELIVERY	20210717	CONTRACT NO.	G20056632
		CUSTOMER ORDER NO.		DATE OF ISSUE	20210717
		STAMP OF MILL INSPECTER	(Four)	LICENSE	XK05-108-001

O.D.	21.3	W.T.	3.00	Length Scope	6.00m--12.00m	Total Length		Total Bundles		Order Quantity.	5.47 MT
Total pcs		Total Weight	5.47 MT	Delivery Condition	As-Rolled	Making Method	Hot Finished Seamless				

No.	Heat No.	*1	*2	C	Si	Mn	P	S	V	Ni	Cr	Mo	Cu	Nb	Lot No.	*3	*4	*5	Y.S. *6	T.S.	E.L.	HB	*3	*4	*7	*8	1	2	3	AVG	Hardness Test	Microstructure	Grain size
				Chemical Composition%												Tensile Test G.L.=L1							Impact Test										
				2	2	2	3	3	3	2	2	2	2	3																			
				1=X10, 2=X100, 3=X1000, 4=X10000, 5=X100000															MPa		%													
MIN				17	10	29	--	--	--	--	--	--	--	--					240	415	25	--											
MAX				22	--	135	50	58	30	40	40	15	40	10					--	585	--	197											
1	21127		H	19	13	56	24	36	15	20	20	8	20	8	54136	P			265	460	27.5	156											
2		C														P	2	1	250	470	28.0	157											
4																																	
5																	2	1															
6																																	
7																																	
8																																	
9																																	

E.T.	--	E.M.I.	--	U.T.	--	M.P.I.	--	W.T.Mesure	———% Coverage	Visual& Dimensions	Good	Coating	--	Drift Test	--		

Expansion	Ring Expansion	Ring Tensile	Flattening	Bending	Heat Treatment	NDT			
--	--	--	Good	--	--	Good			

NOTES	G.L.=Gauge Length L1=5.65 SQRT(F0) *1 Procese Continuous Casting *2 Chemical Composition H=Heat(Ladle) Analysis *3 Size 2= Strip T×20mm *5 Orientation 1= Longitudinal *6 = σs
REMARK	
SURVEYOR	WE HERE CERTIFY THAT THE MATERIAL. HEREIN DESCRIBED HAS BEEN MANUFACTURED, TESTED IN ACCORDANCE WITH ABOVE STANDARD AND SPECIFICATION AND SATISFIED THE REQUIRMENTS.

BAOSHAN IRON AND STEEL CO., LTD. Special seal for quality certificate

BAOSHAN IRON&STEEL CO.,LTD.

MAGOC02

INSPECTION CERTIFICATE

3521TONGJI ROAD.BAOSHAN DISTRICT
201900 SHANGHAI.P.R.CHINA
TEL:(021)56782011 FAX:(021)56788269
HTTP:\\WWW.BAOSTEEL.COM\BSTIM

CUSTOMER		PRODUCT	Steel pipe		
PURCHASER		CUSTOMER' S NO.	272719	CERTIFICATION NO.	T20302332
SPECIFICATION	ASME B36.10M-1996 ASTM A106/A53 GR.B No Coating	DATE OF DELIVERY	20210717	CONTRACT NO.	G20074522
		CUSTOMER ORDER NO.		DATE OF ISSUE	20210717
		STAMP OF MILL INSPECTER	LICENSE	XK05-108-001	

O.D.	26.7	W.T.	3.50	Length Scope	6.00m--12.00m	Total Length		Total Bundles		Order Quantity.	6.47 MT
Total pcs		Total Weight	6.47 MT	Delivery Condition	As-Rolled	Making Method		Hot Finished Seamless			

No.	Heat No.	*1	*2	Chemical Composition% C	Si	Mn	P	S	V	Ni	Cr	Mo	Cu	Nb	Lot No.	*3	*4	*5	Tensile Test G.L.=L1 Y.S. *6	T.S.	E.L.	HB	Impact Test *3	*4	*7	*8	1	2	3	AVG	Hardness Test	Microstructure	Grain size
				2	2	2	3	3	3	2	2	2	2	3																			
				1=X10, 2=X100, 3=X1000, 4=X10000, 5=X100000															MPa		%												
MIN MAX				17 22	10 --	29 135	-- 50	-- 58	-- 30	-- 40	-- 40	-- 15	-- 40	-- 10					240 --	415 585	25 --	-- 197											
1 2 4 5 6 7 8 9	21133	C	H	21	15	72	21	25	17	18	21	5	17	6	45218	P P	2 2	1 1	250 255	465 470	26.5 27.0	160 165											

E.T.	--	E.M.I.	--	U.T.	--	M.P.I.	--	W.T.Mesure	——% Coverage	Visual& Dimensions	Good	Coating	--	Drift Test	--		

Expansion	Ring Expansion	Ring Tensile	Flattening	Bending	Heat Treatment	NDT			
--	--	--	Good	--	--	Good			

NOTES	G.L.=Gauge Length L1=5.65 SQRT(F0) *1 Procese Continuous Casting *2 Chemical Composition H=Heat(Ladle) Analysis *3 Size 2= Strip T×20mm *5 Orientation 1= Longitudinal *6 = σs
REMARK	
SURVEYOR	WE HERE CERTIFY THAT THE MATERIAL. HEREIN DESCRIBED HAS BEEN MANUFACTURED, TESTED IN ACCORDANCE WITH ABOVE STANDARD AND SPECIFICATION AND SATISFIED THE REQUIRMENTS.

BAOSHAN IRON AND STEEL CO.,LTD. (Four) Special seal for quality certificate

BAOSHAN IRON&STEEL CO., LTD.

MAGOC02

INSPECTION CERTIFICATE

3521TONGJI ROAD.BAOSHAN DISTRICT
201900 SHANGHAI.P.R.CHINA
TEL:(021)56782011 FAX:(021)56788269
HTTP:\\WWW.BAOSTEEL.COM\BSTIM

CUSTOMER		PRODUCT	Steel pipe		
PURCHASER		CUSTOMER' S NO.	425189	CERTIFICATION NO.	T20384325
SPECIFICATION	ASME B36.10M-1996 ASTM A106/A53 GR.B No Coating	DATE OF DELIVERY	20210717	CONTRACT NO.	G20032592
		CUSTOMER ORDER NO.		DATE OF ISSUE	20210717
		STAMP OF MILL INSPECTER		LICENSE	XK05-108-001

O.D.	33.40	W.T.	4.00	Length Scope	6.00m-12.00m	Total Length		Total Bundles		Order Quantity.	7.89 MT		
Total pcs		Total Weight	7.89MT	Delivery Condition	As-Rolled	Making Method	Hot Finished Seamless						

No.	Heat No.	*1	*2	Chemical Composition% C	Si	Mn	P	S	V	Ni	Cr	Mo	Cu	Nb	Lot No.	Tensile Test G.L.=L1 *3	*4	*5	Y.S. *6	T.S.	E.L.	HB	Impact Test *3	*4	*7	*8	1	2	3	AVG	Hardness Test	Microstructure	Grain size
				2	2	2	3	3	3	2	2	2	2	3																			
				1=X10, 2=X100, 3=X1000, 4=X10000, 5=X100000															MPa		%												
MIN MAX				17 22	10 --	29 135	-- 50	-- 58	-- 30	-- 40	-- 40	-- 15	-- 40	-- 10					240 --	415 585	25 --	-- 197											
1 2 4 5 6 7 8 9	21142	C	H	19	15	75	21	27	16	18	21	5	17	6	56352	P P	2	1 2	260 265	465 475	27.0 27.0	176 177											

E.T.	--	E.M.I.	--	U.T.	--	M.P.I.	--	W.T.Mesure	——% Coverage	Visual& Dimensions	Good	Coating	--	Drift Test	--				

Expansion	Ring Expansion	Ring Tensile	Flattening	Bending	Heat Treatment	NDT			
--	--	--	Good	--	--	Good			

NOTES	G.L.=Gauge Length L1=5.65 SQRT(F0) *1 Procese Continuous Casting *2 Chemical Composition H=Heat(Ladle) Analysis *3 Size 2= Strip T×20mm *5 Orientation 1= Longitudinal *6 = σs
REMARK	
SURVEYOR	WE HERE CERTIFY THAT THE MATERIAL. HEREIN DESCRIBED HAS BEEN MANUFACTURED, TESTED IN ACCORDANCE WITH ABOVE STANDARD AND SPECIFICATION AND SATISFIED THE REQUIRMENTS.

BAOSHAN IRON AND STEEL CO., LTD. (Four) Special seal for quality certificate

BAOSHAN IRON&STEEL CO.,LTD.

MAGOC02

INSPECTION CERTIFICATE

3521TONGJI ROAD.BAOSHAN DISTRICT
201900 SHANGHAI.P.R.CHINA
TEL:(021)56782011 FAX:(021)56788269
HTTP:\\WWW.BAOSTEEL.COM\BSTIM

CUSTOMER		PRODUCT	Steel pipe		
PURCHASER		CUSTOMER' S NO.	328552	CERTIFICATION NO.	T20384236
SPECIFICATION	ASME B36.10M-1996 ASTM A106/A53 GR.B No Coating	DATE OF DELIVERY	20210717	CONTRACT NO.	G20032428
		CUSTOMER ORDER NO.		DATE OF ISSUE	20210717
		STAMP OF MILL INSPECTER		LICENSE	XK05-108-001

O.D.	38.00	W.T.	4.00	Length Scope	6.00m--12.00m	Total Length		Total Bundles		Order Quantity.	8.25 MT
Total pcs		Total Weight	8.25MT	Delivery Condition	As-Rolled	Making Method				Hot Finished Seamless	

No.	Heat No.	*1	*2	Chemical Composition% C	Si	Mn	P	S	V	Ni	Cr	Mo	Cu	Nb	Lot No.	*3	*4	*5	Tensile Test G.L.=L1 Y.S. *6	T.S.	E.L.	HB	*3	*4	*7	*8	Impact Test 1	2	3	AVG	Hardness Test	Microstructure	Grain size
				2	2	2	3	3	3	2	2	2	2	3																			
				1=X10, 2=X100, 3=X1000, 4=X10000, 5=X100000															MPa		%												
MIN				17	10	29	--	--	--	--	--	--	--	--					240	415	25	--											
MAX				22	--	135	50	58	30	40	40	15	40	10					--	585	--	197											
1	21148		H	18	16	77	20	27	18	19	20	9	15	4	65127	P			265	470	28.5	180											
2		C														P	2	1	260	455	27.0	185											
4																																	
5																	2	1															
6																																	
7																																	
8																																	
9																																	

E.T.	--	E.M.I.	--	U.T.	--	M.P.I.	--	W.T.Mesure	——% Coverage	Visual& Dimensions	Good	Coating	--	Drift Test	--				

Expansion	Ring Expansion	Ring Tensile	Flattening	Bending	Heat Treatment	NDT			
--	--	--	Good	--	--	Good			

NOTES	G.L.=Gauge Length L1=5.65 SQRT(F0) *1 Procese Continuous Casting *2 Chemical Composition H=Heat(Ladle) Analysis *3 Size 2= Strip T×20mm *5 Orientation 1= Longitudinal *6 = σs
REMARK	
SURVEYOR	WE HERE CERTIFY THAT THE MATERIAL. HEREIN DESCRIBED HAS BEEN MANUFACTURED, TESTED IN ACCORDANCE WITH ABOVE STANDARD AND SPECIFICATION AND SATISFIED THE REQUIRMENTS.

BAOSHAN IRON AND STEEL CO., LTD. (Four) Special seal for quality certificate

BAOSHAN IRON&STEEL CO., LTD.

MAGOC02

INSPECTION CERTIFICATE

3521TONGJI ROAD.BAOSHAN DISTRICT
201900 SHANGHAI.P.R.CHINA
TEL:(021)56782011 FAX:(021)56788269
HTTP:\\WWW.BAOSTEEL.COM\BSTIM

CUSTOMER		PRODUCT	Steel pipe		
PURCHASER		CUSTOMER' S NO.	215263	CERTIFICATION NO.	T20384222
SPECIFICATION	ASME B36.10M-1996 ASTM A106/A53 GR.B No Coating	DATE OF DELIVERY	20210717	CONTRACT NO.	G20032414
		CUSTOMER ORDER NO.		DATE OF ISSUE	20210717
		STAMP OF MILL INSPECTER		LICENSE	XK05-108-001

O.D.	38.00	W.T.	5.50	Length Scope	6.00m—12.00m	Total Length		Total Bundles		Order Quantity.	10.11 MT
Total pcs		Total Weight	10.11MT	Delivery Condition	As-Rolled	Making Method				Hot Finished Seamless	

Chemical Composition%

No.	Heat No.	*1	*2	C	Si	Mn	P	S	V	Ni	Cr	Mo	Cu	Nb
				2	2	2	3	3	3	2	2	2	2	3
				1=X10, 2=X100, 3=X1000, 4=X10000, 5=X100000										
MIN				17	10	29	--	--	--	--	--	--	--	--
MAX				22	--	135	50	58	30	40	40	15	40	10
1	21648		H	19	16	77	20	27	19	19	20	9	15	4
2		C												
4														
5														
6														
7														
8														
9														

Tensile Test G.L.=L1 / Impact Test

No.	Lot No.	*3	*4	*5	Y.S. *6 (MPa)	T.S. (MPa)	E.L. (%)	HB	*3	*4	*7	*8	1	2	3	AVG	Hardness Test	Microstructure	Grain size
MIN					240	415	25	--											
MAX					--	585	--	197											
1	38142	P			265	470	28.5	180											
2		P	2	1	260	455	27.0	185											
4																			
5			2	1															
6																			
7																			
8																			
9																			

E.T.	--	E.M.I.	--	U.T.	--	M.P.I.	--	W.T.Mesure	——% Coverage	Visual& Dimensions	Good	Coating	--	Drift Test	--		

Expansion	Ring Expansion	Ring Tensile	Flattening	Bending	Heat Treatment	NDT			
--	--	--	Good	--	--	Good			

NOTES	G.L.=Gauge Length L1=5.65 SQRT(F0) *1 Procese Continuous Casting *2 Chemical Composition H=Heat(Ladle) Analysis *3 Size 2= Strip T×20mm *5 Orientation 1= Longitudinal *6 = σs
REMARK	
SURVEYOR	WE HERE CERTIFY THAT THE MATERIAL. HEREIN DESCRIBED HAS BEEN MANUFACTURED, TESTED IN ACCORDANCE WITH ABOVE STANDARD AND SPECIFICATION AND SATISFIED THE REQUIRMENTS.

BAOSHAN IRON AND STEEL CO.,LTD. (Four) Special for quality certificate

BAOSHAN IRON&STEEL CO.,LTD.

MAGOC02

INSPECTION CERTIFICATE

3521TONGJI ROAD.BAOSHAN DISTRICT
201900 SHANGHAI.P.R.CHINA
TEL:(021)56782011 FAX:(021)56788269
HTTP:\\WWW.BAOSTEEL.COM\BSTIM

CUSTOMER		PRODUCT	Steel pipe		
PURCHASER		CUSTOMER' S NO.	527482	CERTIFICATION NO.	T20383296
SPECIFICATION	ASME B36.10M-1996 ASTM A106/A53 GR.B No Coating	DATE OF DELIVERY	20210717	CONTRACT NO.	G20032594
		CUSTOMER ORDER NO.		DATE OF ISSUE	20210717
		STAMP OF MILL INSPECTER		LICENSE	XK05-108-001

O.D.	42.40	W.T.	4.00	Length Scope	6.00m--12.00m	Total Length	(Four)	Total Bundles		Order Quantity.	7.54 MT		
Total pcs		Total Weight	7.23MT	Delivery Condition	As-Rolled	Making Method	Hot Finished Seamless						

No.	Heat No.	*1	*2	Chemical Composition% C	Si	Mn	P	S	V	Ni	Cr	Mo	Cu	Nb	Lot No.	*3	*4	*5	Tensile Test G.L.=L1 Y.S. *6	T.S.	E.L.	HB	Impact Test *3	*4	*7	*8	1	2	3	AVG	Hardness Test	Microstructure	Grain size
				2	2	2	3	3	3	2	2	2	2	3																			
				1=X10, 2=X100, 3=X1000, 4=X10000, 5=X100000															MPa		%												
MIN MAX				17 22	10 --	29 135	-- 50	-- 58	-- 30	-- 40	-- 40	-- 15	-- 40	-- 10					240 --	415 585	25 --	-- 197											
1 2 4 5 6 7 8 9	21160	C	H	19	16	78	21	26	19	20	21	8	16	4	65325	P P	 2	 1	255 260	450 455	26.5 27.0	165 170											
																	2	1															

E.T.	--	E.M.I.	--	U.T.	--	M.P.I.	--	W.T.Mesure	———% Coverage	Visual& Dimensions	Good	Coating	--	Drift Test	--		

Expansion	Ring Expansion	Ring Tensile	Flattening	Bending	Heat Treatment	NDT			
--	--	--	Good	--	--	Good			

NOTES	G.L.=Gauge Length L1=5.65 SQRT(F0) *1 Procese Continuous Casting *2 Chemical Composition H=Heat(Ladle) Analysis *3 Size 2= Strip T×20mm *5 Orientation 1= Longitudinal *6 = σs
REMARK	
SURVEYOR	WE HERE CERTIFY THAT THE MATERIAL. HEREIN DESCRIBED HAS BEEN MANUFACTURED, TESTED IN ACCORDANCE WITH ABOVE STANDARD AND SPECIFICATION AND SATISFIED THE REQUIRMENTS.

BAOSHAN IRON AND STEEL CO.,LTD.
Special seal for quality certificate

BAOSHAN IRON&STEEL CO.,LTD.

MAGOC02

INSPECTION CERTIFICATE

3521TONGJI ROAD.BAOSHAN DISTRICT
201900 SHANGHAI.P.R.CHINA
TEL:(021)56782011 FAX:(021)56788269
HTTP:\\WWW.BAOSTEEL.COM\BSTIM

CUSTOMER		PRODUCT	Steel pipe		
PURCHASER		CUSTOMER' S NO.	328546	CERTIFICATION NO.	T20381432
SPECIFICATION	ASME B36.10M-1996 ASTM A106/A53 GR.B No Coating	DATE OF DELIVERY	20210717	CONTRACT NO.	G20032441
		CUSTOMER ORDER NO.		DATE OF ISSUE	20210717
		STAMP OF MILL INSPECTER		LICENSE	XK05-108-001

O.D.	48.30	W.T.	4.00	Length Scope	6.00m--12.00m	Total Length		Total Bundles		Order Quantity.	6.87 MT		
Total pcs		Total Weight	6.87MT	Delivery Condition	As-Rolled	Making Method	Hot Finished Seamless						

No.	Heat No.	*1	*2	Chemical Composition% C	Si	Mn	P	S	V	Ni	Cr	Mo	Cu	Nb	Lot No.	*3	*4	*5	Tensile Test G.L.=L1 Y.S. *6	T.S.	E.L.	HB	Impact Test *3	*4	*7	*8	1	2	3	AVG	Hardness Test	Microstructure	Grain size
				2	2	2	3	3	3	2	2	2	2	3																			
				1=X10, 2=X100, 3=X1000, 4=X10000, 5=X100000															MPa		%												
MIN				17	10	29	--	--	--	--	--	--	--	--					240	415	25	--											
MAX				22	--	135	50	58	30	40	40	15	40	10					--	585	--	197											
1	22848		H	19	17	72	25	23	21	18	21	8	16	5	28214	P			265	470	27.0	156											
2		C														P	2	1	270	475	27.5	157											
4																																	
5																	2	1															
6																																	
7																																	
8																																	
9																																	

E.T.	--	E.M.I.	--	U.T.	--	M.P.I.	--	W.T.Mesure	——% Coverage	Visual& Dimensions	Good	Coating	--	Drift Test	--		

Expansion	Ring Expansion	Ring Tensile	Flattening	Bending	Heat Treatment	NDT			
--	--	--	Good	--	--	Good			

NOTES	G.L.=Gauge Length L1=5.65 SQRT(F0) *1 Procese Continuous Casting *2 Chemical Composition H=Heat(Ladle) Analysis *3 Size 2= Strip T×20mm *5 Orientation 1= Longitudinal *6 = σs
REMARK	
SURVEYOR	WE HERE CERTIFY THAT THE MATERIAL. HEREIN DESCRIBED HAS BEEN MANUFACTURED, TESTED IN ACCORDANCE WITH ABOVE STANDARD AND SPECIFICATION AND SATISFIED THE REQUIRMENTS.

BAOSHAN IRON AND STEEL CO.,LTD (Four) Special seal for quality certificate

BAOSHAN IRON&STEEL CO.,LTD.

MAGOC02

INSPECTION CERTIFICATE

3521TONGJI ROAD.BAOSHAN DISTRICT
201900 SHANGHAI.P.R.CHINA
TEL:(021)56782011 FAX:(021)56788269
HTTP:\\WWW.BAOSTEEL.COM\BSTIM

CUSTOMER		PRODUCT	Steel pipe		
PURCHASER		CUSTOMER' S NO.	954213	CERTIFICATION NO.	T20381441
SPECIFICATION	ASME B36.10M-1996 ASTM A106/A53 GR.B No Coating	DATE OF DELIVERY	20210717	CONTRACT NO.	G20032438
		CUSTOMER ORDER NO.		DATE OF ISSUE	20210717
		STAMP OF MILL INSPECTER	LICENSE	XK05-108-001	

O.D.	48.30	W.T.	4.00	Length Scope	6.00m--12.00m	Total Length		Total Bundles		Order Quantity.	7.22 MT
Total pcs		Total Weight	7.22MT	Delivery Condition	As-Rolled	Making Method				Hot Finished Seamless	

No.	Heat No.	*1	*2	Chemical Composition% C	Si	Mn	P	S	V	Ni	Cr	Mo	Cu	Nb	Lot No.	*3	*4	*5	Tensile Test G.L.=L1 Y.S. *6	T.S.	E.L.	HB	Impact Test *3	*4	*7	*8	1	2	3	AVG	Hardness Test	Microstructure	Grain size
				2	2	2	3	3	3	2	2	2	2	3																			
				1=X10, 2=X100, 3=X1000, 4=X10000, 5=X100000															MPa		%												
MIN MAX				17 22	10 --	29 135	-- 50	-- 58	-- 30	-- 40	-- 40	-- 15	-- 40	-- 10					240 --	415 585	25 --	-- 197											
1	21660	C	H	19	17	72	25	23	21	18	21	8	16	5	28542	P			265	470	27.0	156											
2																P	2	1	270	475	27.5	157											
4																																	
5																	2	1															
6																																	
7																																	
8																																	
9																																	

E.T.	--	E.M.I.	--	U.T.	--	M.P.I.	--	W.T.Mesure	———% Coverage	Visual& Dimensions	Good	Coating	--	Drift Test	--		

Expansion	Ring Expansion	Ring Tensile	Flattening	Bending	Heat Treatment	NDT			
--	--	--	Good	--	--	Good			

NOTES	G.L.=Gauge Length L1=5.65 SQRT(F0) *1 Procese Continuous Casting *2 Chemical Composition H=Heat(Ladle) Analysis *3 Size 2= Strip T×20mm *5 Orientation 1= Longitudinal *6 = σs
REMARK	
SURVEYOR	WE HERE CERTIFY THAT THE MATERIAL. HEREIN DESCRIBED HAS BEEN MANUFACTURED, TESTED IN ACCORDANCE WITH ABOVE STANDARD AND SPECIFICATION AND SATISFIED THE REQUIRMENTS.

BAOSHAN IRON AND STEEL CO.,LTD. (Four) Special seal for quality certificate

BAOSHAN IRON&STEEL CO., LTD.

MAGOC02

INSPECTION CERTIFICATE

3521TONGJI ROAD.BAOSHAN DISTRICT
201900 SHANGHAI.P.R.CHINA
TEL:(021)56782011 FAX:(021)56788269
HTTP:\\WWW.BAOSTEEL.COM\BSTIM

CUSTOMER		PRODUCT	Steel pipe		
PURCHASER		CUSTOMER' S NO.	541256	CERTIFICATION NO.	T20383418
SPECIFICATION	ASME B36.10M-1996 ASTM A106/A53 GR.B No Coating	DATE OF DELIVERY	20210717	CONTRACT NO.	G20032224
		CUSTOMER ORDER NO.		DATE OF ISSUE	20210717
		STAMP OF MILL INSPECTER		LICENSE	XK05-108-001

O.D.	57.00	W.T.	5.50	Length Scope	6.00m--12.00m	Total Length		Total Bundles		Order Quantity.	9.03 MT
Total pcs		Total Weight	9.03MT	Delivery Condition	As-Rolled	Making Method	Hot Finished Seamless				

Chemical Composition%

No.	Heat No.	*1	*2	C	Si	Mn	P	S	V	Ni	Cr	Mo	Cu	Nb
				2	2	2	3	3	3	2	2	2	2	3
				1=X10, 2=X100, 3=X1000, 4=X10000, 5=X100000										
MIN				17	10	29	--	--	--	--	--	--	--	--
MAX				22	--	135	50	58	30	40	40	15	40	10
1	21173		H	20	17	78	21	26	19	20	21	8	16	4
2		C												
4														
5														
6														
7														
8														
9														

Tensile Test G.L.=L1 / Impact Test / Hardness Test / Microstructure / Grain size

Lot No.	*3	*4	*5	Y.S. *6 (MPa)	T.S. (MPa)	E.L. (%)	HB	*3	*4	*7	*8	1	2	3	AVG	Hardness Test	Microstructure	Grain size
MIN				240	415	25	--											
MAX				--	585	--	197											
21785	P			250	450	26.5	165											
	P	2	1	260	455	27.0	170											
		2	1															

E.T.	--	E.M.I.	--	U.T.	--	M.P.I.	--	W.T.Mesure	———% Coverage	Visual& Dimensions	Good	Coating	--	Drift Test	--

Expansion	Ring Expansion	Ring Tensile	Flattening	Bending	Heat Treatment	NDT			
--	--	--	Good	--	--	Good			

NOTES	G.L.=Gauge Length L1=5.65 SQRT(F0) *1 Procese Continuous Casting *2 Chemical Composition H=Heat(Ladle) Analysis *3 Size 2= Strip T×20mm *5 Orientation 1= Longitudinal *6 = σs
REMARK	
SURVEYOR	WE HERE CERTIFY THAT THE MATERIAL. HEREIN DESCRIBED HAS BEEN MANUFACTURED, TESTED IN ACCORDANCE WITH ABOVE STANDARD AND SPECIFICATION AND SATISFIED THE REQUIRMENTS.

BAOSHAN IRON AND STEEL CO.,LTD (Four) Special seal for quality certificate

BAOSHAN IRON&STEEL CO.,LTD.

MAGOC02

INSPECTION CERTIFICATE

3521TONGJI ROAD.BAOSHAN DISTRICT
201900 SHANGHAI.P.R.CHINA
TEL:(021)56782011 FAX:(021)56788269
HTTP:\\WWW.BAOSTEEL.COM\BSTIM

CUSTOMER		PRODUCT	Steel pipe		
PURCHASER		CUSTOMER' S NO.	954216	CERTIFICATION NO.	T20383205
SPECIFICATION	ASME B36.10M-1996 ASTM A106/A53 GR.B No Coating	DATE OF DELIVERY	20210717	CONTRACT NO.	G20032315
		CUSTOMER ORDER NO.		DATE OF ISSUE	20210717
		STAMP OF MILL INSPECTER		LICENSE	XK05-108-001

O.D.	57.00	W.T.	7.00	Length Scope	6.00m--12.00m	Total Length		Total Bundles		Order Quantity.	9.03 MT
Total pcs		Total Weight	9.03MT	Delivery Condition	As Rolled	Making Method				Hot Finished Seamless	

No.	Heat No.	*1	*2	Chemical Composition% C	Si	Mn	P	S	V	Ni	Cr	Mo	Cu	Nb	Lot No.	*3	*4	*5	Tensile Test G.L.=L1 Y.S. *6	T.S.	E.L.	HB	Impact Test *3	*4	*7	*8	1	2	3	AVG	Hardness Test	Microstructure	Grain size
				2	2	2	3	3	3	2	2	2	2	3																			
				1=X10, 2=X100, 3=X1000, 4=X10000, 5=X100000															MPa		%												
MIN MAX				17 22	10 --	29 135	-- 50	-- 58	-- 30	-- 40	-- 40	-- 15	-- 40	-- 10					240 --	415 585	25 --	-- 197											
1 2 4 5 6 7 8 9	21673	C	H	19	18	75	20	26	19	20	21	8	16	4	41526	P P	2 2	1 1	255 265	450 455	26.5 27.0	165 170											

E.T.	--	E.M.I.	--	U.T.	--	M.P.I.	--	W.T.Mesure	——% Coverage	Visual& Dimensions	Good	Coating	--	Drift Test	--		

Expansion	Ring Expansion	Ring Tensile	Flattening	Bending	Heat Treatment	NDT			
--	--	--	Good	--	--	Good			

NOTES	G.L.=Gauge Length L1=5.65 SQRT(F0) *1 Procese Continuous Casting *2 Chemical Composition H=Heat(Ladle) Analysis *3 Size 2= Strip T×20mm *5 Orientation 1= Longitudinal *6 = σs
REMARK	
SURVEYOR	WE HERE CERTIFY THAT THE MATERIAL. HEREIN DESCRIBED HAS BEEN MANUFACTURED, TESTED IN ACCORDANCE WITH ABOVE STANDARD AND SPECIFICATION AND SATISFIED THE REQUIRMENTS.

BAOSHAN IRON AND STEEL CO.,LTD. (Four) Special seal for quality certificate

BAOSHAN IRON&STEEL CO., LTD.

MAGOC02

INSPECTION CERTIFICATE

3521TONGJI ROAD.BAOSHAN DISTRICT
201900 SHANGHAI.P.R.CHINA
TEL:(021)56782011 FAX:(021)56788269
HTTP:\\WWW.BAOSTEEL.COM\BSTIM

CUSTOMER		PRODUCT	Steel pipe		
PURCHASER		CUSTOMER' S NO.	258756	CERTIFICATION NO.	T20382188
SPECIFICATION	ASME B36.10M-1996 ASTM A106/A53 GR.B No Coating	DATE OF DELIVERY	20210717	CONTRACT NO.	G20032321
		CUSTOMER ORDER NO.		DATE OF ISSUE	20210717
		STAMP OF MILL INSPECTER		LICENSE	XK05-108-001

O.D.	60.30	W.T.	4.00	Length Scope	6.00m--12.00m	Total Length (Feet)		Total Bundles		Order Quantity.	8.66 MT		
Total pcs		Total Weight	8.66MT	Delivery Condition	As-Rolled	Making Method	Hot Finished Seamless						

No.	Heat No.	*1	*2	Chemical Composition% C	Si	Mn	P	S	V	Ni	Cr	Mo	Cu	Nb	Lot No.	*3	*4	*5	Tensile Test G.L.=L1 Y.S. *6	T.S.	E.L.	HB	Impact Test *3	*4	*7	*8	1	2	3	AVG	Hardness Test	Microstructure	Grain size
				2	2	2	3	3	3	2	2	2	2	3																			
				1=X10, 2=X100, 3=X1000, 4=X10000, 5=X100000															MPa		%												
MIN				17	10	29	--	--	--	--	--	--	--	--					240	415	25	--											
MAX				22	--	135	50	58	30	40	40	15	40	10					--	585	--	197											
1	22860	C	H	18	19	75	20	24	20	19	21	8	16	4	23541	P			255	460	26.5	165											
2																P	2	1	260	465	27.0	170											
4																																	
5																	2	1															
6																																	
7																																	
8																																	
9																																	

E.T.	--	E.M.I.	--	U.T.	--	M.P.I.	--	W.T.Mesure	——% Coverage	Visual& Dimensions	Good	Coating	--	Drift Test	--		

Expansion	Ring Expansion	Ring Tensile	Flattening	Bending	Heat Treatment	NDT			
--	--	--	Good	--	--	Good			

NOTES	G.L.=Gauge Length L1=5.65 SQRT(F0) *1 Procese Continuous Casting *2 Chemical Composition H=Heat(Ladle) Analysis *3 Size 2= Strip T×20mm *5 Orientation 1= Longitudinal *6 = σs
REMARK	
SURVEYOR	WE HERE CERTIFY THAT THE MATERIAL. HEREIN DESCRIBED HAS BEEN MANUFACTURED, TESTED IN ACCORDANCE WITH ABOVE STANDARD AND SPECIFICATION AND SATISFIED THE REQUIRMENTS.

BAOSHAN IRON AND STEEL CO., LTD. Special seal for quality certificate

BAOSHAN IRON&STEEL CO., LTD.

MAGOC02

INSPECTION CERTIFICATE

3521TONGJI ROAD.BAOSHAN DISTRICT
201900 SHANGHAI.P.R.CHINA
TEL:(021)56782011 FAX:(021)56788269
HTTP:\\WWW.BAOSTEEL.COM\BSTIM

CUSTOMER		PRODUCT	Steel pipe		
PURCHASER		CUSTOMER' S NO.	858517	CERTIFICATION NO.	T20382174
SPECIFICATION	ASME B36.10M-1996 ASTM A106/A53 GR.B No Coating	DATE OF DELIVERY	20210717	CONTRACT NO.	G20032321
		CUSTOMER ORDER NO.		DATE OF ISSUE	20210717
		STAMP OF MILL INSPECTER	(Four)	LICENSE	XK05-108-001

BAOSHAN IRON AND STEEL CO., LTD. Special seal for quality certificate

O.D.	60.30	W.T.	6.00	Length Scope	6.00m--12.00m	Total Length		Total Bundles		Order Quantity.	9.32 MT
Total pcs		Total Weight	9.32MT	Delivery Condition	As-Rolled	Making Method				Hot Finished Seamless	

No.	Heat No.	*1	*2	Chemical Composition% C	Si	Mn	P	S	V	Ni	Cr	Mo	Cu	Nb	Lot No.	*3	*4	*5	Tensile Test G.L.=L1 Y.S. *6	T.S.	E.L.	HB	*3	*4	*7	*8	Impact Test 1	2	3	AVG	Hardness Test	Microstructure	Grain size
				2	2	2	3	3	3	2	2	2	2	3																			
				1=X10, 2=X100, 3=X1000, 4=X10000, 5=X100000															MPa		%												
MIN MAX				17 22	10 —	29 135	— 50	— 58	— 30	— 40	— 40	— 15	— 40	— 10					240 —	415 585	25 —	— 197											
1	21189		H	19	17	75	20	24	20	19	21	8	16	4	42856	P			255	460	26.5	165											
2		C														P	2	1	265	465	27.0	170											
4																																	
5																	2	1															
6																																	
7																																	
8																																	
9																																	

E.T.	--	E.M.I.	--	U.T.	--	M.P.I.	--	W.T.Mesure	———% Coverage	Visual& Dimensions	Good	Coating	--	Drift Test	--		

Expansion	Ring Expansion	Ring Tensile	Flattening	Bending	Heat Treatment	NDT			
--	--	--	Good	--	--	Good			

NOTES	G.L.=Gauge Length L1=5.65 SQRT(F0) *1 Procese Continuous Casting *2 Chemical Composition H=Heat(Ladle) Analysis *3 Size 2= Strip T×20mm *5 Orientation 1= Longitudinal *6 = σs
REMARK	
SURVEYOR	WE HERE CERTIFY THAT THE MATERIAL. HEREIN DESCRIBED HAS BEEN MANUFACTURED, TESTED IN ACCORDANCE WITH ABOVE STANDARD AND SPECIFICATION AND SATISFIED THE REQUIRMENTS.

BAOSHAN IRON&STEEL CO.,LTD.

MAGOC02

INSPECTION CERTIFICATE

3521TONGJI ROAD.BAOSHAN DISTRICT
201900 SHANGHAI.P.R.CHINA
TEL:(021)56782011 FAX:(021)56788269
HTTP:\\WWW.BAOSTEEL.COM\BSTIM

CUSTOMER		PRODUCT	Steel pipe		
PURCHASER		CUSTOMER' S NO.	542874	CERTIFICATION NO.	T20382115
SPECIFICATION	ASME B36.10M-1996 ASTM A106/A53 GR.B No Coating	DATE OF DELIVERY	20210717	CONTRACT NO.	G20032328
		CUSTOMER ORDER NO.		DATE OF ISSUE	20210717
		STAMP OF MILL INSPECTER	LICENSE	XK05-108-001	

O.D.	60.30	W.T.	8.00	Length Scope	6.00m--12.00m	Total Length		Total Bundles		Order Quantity.	10.45 MT
Total pcs		Total Weight	10.45MT	Delivery Condition	As-Rolled(Four)	Making Method				Hot Finished Seamless	

No.	Heat No.	*1	*2	Chemical Composition% C	Si	Mn	P	S	V	Ni	Cr	Mo	Cu	Nb	Lot No.	*3	*4	*5	Tensile Test G.L.=L1 Y.S. *6	T.S.	E.L.	HB	*3	*4	*7	*8	Impact Test 1	2	3	AVG	Hardness Test	Microstructure	Grain size
				2	2	2	3	3	3	2	2	2	2	3																			
				1=X10, 2=X100, 3=X1000, 4=X10000, 5=X100000															MPa		%												
MIN MAX				17 22	10 --	29 135	-- 50	-- 58	-- 30	-- 40	-- 40	-- 15	-- 40	-- 10					240 --	415 585	25 --	-- 197											
1 2 4 5 6 7 8 9	21689	C	H	18	15	72	21	23	21	19	21	8	16	4	54852	P P	2	1 2	260 265	460 465	26.5 27.0	165 170											

E.T.	--	E.M.I.	--	U.T.	--	M.P.I.	--	W.T.Mesure	———% Coverage	Visual& Dimensions	Good	Coating	--	Drift Test	--		

Expansion	Ring Expansion	Ring Tensile	Flattening	Bending	Heat Treatment	NDT			
--	--	--	Good	--	--	Good			

NOTES	G.L.=Gauge Length L1=5.65 SQRT(F0) *1 Procese Continuous Casting *2 Chemical Composition H=Heat(Ladle) Analysis *3 Size 2= Strip T×20mm *5 Orientation 1= Longitudinal *6 = σs
REMARK	
SURVEYOR	WE HERE CERTIFY THAT THE MATERIAL. HEREIN DESCRIBED HAS BEEN MANUFACTURED, TESTED IN ACCORDANCE WITH ABOVE STANDARD AND SPECIFICATION AND SATISFIED THE REQUIRMENTS.

BAOSHAN IRON AND STEEL CO.,LTD. Special seal for quality certificate

BAOSHAN IRON&STEEL CO.,LTD.

MAGOC02

INSPECTION CERTIFICATE

3521TONGJI ROAD.BAOSHAN DISTRICT
201900 SHANGHAI.P.R.CHINA
TEL:(021)56782011 FAX:(021)56788269
HTTP:\\WWW.BAOSTEEL.COM\BSTIM

CUSTOMER		PRODUCT	Steel pipe		
PURCHASER		CUSTOMER' S NO.	685397	CERTIFICATION NO.	T3542512
SPECIFICATION	ASME B36.10M-1996 ASTM A106/A53 GR.B No Coating	DATE OF DELIVERY	20210717	CONTRACT NO.	G20033652
		CUSTOMER ORDER NO.		DATE OF ISSUE	20210717
		STAMP OF MILL INSPECTER	LICENSE	XK05-108-001	

O.D.	73.00	W.T.	5.00	Length Scope	6.00m—12.00m	Total Length		Total Bundles		Order Quantity.	9.05T
Total pcs		Total Weight	9.05MT	Delivery Condition	As-Rolled	Making Method				Hot Finished Seamless	

No.	Heat No.	*1	*2	Chemical Composition% C	Si	Mn	P	S	V	Ni	Cr	Mo	Cu	Nb	Lot No.	*3	*4	*5	Tensile Test G.L.=L1 Y.S. *6	T.S.	E.L.	HB	Impact Test *3	*4	*7	*8	1	2	3	AVG	Hardness Test	Microstructure	Grain size
				2	2	2	3	3	3	2	2	2	2	3																			
				1=X10, 2=X100, 3=X1000, 4=X10000, 5=X100000															MPa		%												
MIN MAX				17 22	10 —	29 135	— 50	— 58	— 30	— 40	— 40	— 15	— 40	— 10					240 —	415 585	25 —	— 197											
1 2 4 5 6 7 8 9	22873	C	H	17	15	69	21	20	20	18	20	7	15	6	21542	P P	2 2	1 1	255 265	450 455	27.0 27.5	160 165											

E.T.	--	E.M.I.	--	U.T.	--	M.P.I.	--	W.T.Mesure	———% Coverage	Visual& Dimensions	Good	Coating	--	Drift Test	--		

Expansion	Ring Expansion	Ring Tensile	Flattening	Bending	Heat Treatment	NDT			
--	--	--	Good	--	--	Good			

NOTES	G.L.=Gauge Length L1=5.65 SQRT(F0) *1 Procese Continuous Casting *2 Chemical Composition H=Heat(Ladle) Analysis *3 Size 2= Strip T×20mm *5 Orientation 1= Longitudinal *6 = σs
REMARK	
SURVEYOR	WE HERE CERTIFY THAT THE MATERIAL. HEREIN DESCRIBED HAS BEEN MANUFACTURED, TESTED IN ACCORDANCE WITH ABOVE STANDARD AND SPECIFICATION AND SATISFIED THE REQUIRMENTS.

BAOSHAN IRON AND STEEL CO., QIT (Four) Special seal for quality certificate

BAOSHAN IRON&STEEL CO.,LTD.

MAGOC02

INSPECTION CERTIFICATE

3521TONGJI ROAD.BAOSHAN DISTRICT
201900 SHANGHAI.P.R.CHINA
TEL:(021)56782011 FAX:(021)56788269
HTTP:\\WWW.BAOSTEEL.COM\BSTIM

CUSTOMER		PRODUCT	Steel pipe		
PURCHASER		CUSTOMER' S NO.	418576	CERTIFICATION NO.	T20381432
SPECIFICATION	ASME B36.10M-1996 ASTM A106/A53 GR.B No Coating	DATE OF DELIVERY	20210717	CONTRACT NO.	G20034185
		CUSTOMER ORDER NO.		DATE OF ISSUE	20210717
		STAMP OF MILL INSPECTER	(Four)	LICENSE	XK05-108-001

BAOSHAN IRON AND STEEL CO.,LTD Special seal for quality certificate

O.D.	76.10	W.T.	6.50	Length Scope	6.00m--12.00m	Total Length		Total Bundles		Order Quantity.	10.21 MT
Total pcs		Total Weight	10.21MT	Delivery Condition	As-Rolled	Making Method		Hot Finished Seamless			

No.	Heat No.	*1	*2	Chemical Composition% C	Si	Mn	P	S	V	Ni	Cr	Mo	Cu	Nb	Lot No.	Tensile Test G.L.=L1 *3	*4	*5	Y.S. *6	T.S.	E.L.	HB	Impact Test *3	*4	*7	*8	1	2	3	AVG	Hardness Test	Microstructure	Grain size
				2	2	2	3	3	3	2	2	2	2	3																			
				1=X10, 2=X100, 3=X1000, 4=X10000, 5=X100000															MPa		%												
MIN MAX				17 22	10 --	29 135	-- 50	-- 58	-- 30	-- 40	-- 40	-- 15	-- 40	-- 10					240 --	415 585	25 --	-- 197											
1	21114		H	19	17	75	20	24	20	19	21	8	16	4	41756	P			270	475	29.0	170											
2		C														P	2	1	275	480	29.5	175											
4																																	
5																	2	1															
6																																	
7																																	
8																																	
9																																	

E.T.	--	E.M.I.	--	U.T.	--	M.P.I.	--	W.T.Mesure	———% Coverage	Visual& Dimensions	Good	Coating	--	Drift Test	--		

Expansion	Ring Expansion	Ring Tensile	Flattening	Bending	Heat Treatment	NDT			
--	--	--	Good	--	--	Good			

NOTES	G.L.=Gauge Length L1=5.65 SQRT(F0) *1 Procese Continuous Casting *2 Chemical Composition H=Heat(Ladle) Analysis *3 Size 2= Strip T×20mm *5 Orientation 1= Longitudinal *6 = σs
REMARK	
SURVEYOR	WE HERE CERTIFY THAT THE MATERIAL. HEREIN DESCRIBED HAS BEEN MANUFACTURED, TESTED IN ACCORDANCE WITH ABOVE STANDARD AND SPECIFICATION AND SATISFIED THE REQUIRMENTS.

BAOSHAN IRON&STEEL CO.,LTD.

MAGOC02

INSPECTION CERTIFICATE

3521TONGJI ROAD.BAOSHAN DISTRICT
201900 SHANGHAI.P.R.CHINA
TEL:(021)56782011 FAX:(021)56788269
HTTP:\\WWW.BAOSTEEL.COM\BSTIM

CUSTOMER		PRODUCT	Steel pipe		
PURCHASER		CUSTOMER' S NO.	432542	CERTIFICATION NO.	T20381408
SPECIFICATION	ASME B36.10M-1996 ASTM A106/A53 GR.B No Coating	DATE OF DELIVERY	20210717	CONTRACT NO.	G20034151
		CUSTOMER ORDER NO.		DATE OF ISSUE	20210717
		STAMP OF MILL INSPECTER	(Four)	LICENSE	XK05-108-001

BAOSHAN IRON AND STEEL CO., LTD. Special seal for quality certificate

O.D.	76.10	W.T.	10.00	Length Scope	6.00m--12.00m	Total Length		Total Bundles		Order Quantity.	10.21 MT
Total pcs		Total Weight	10.21MT	Delivery Condition	As-Rolled	Making Method		Hot Finished Seamless			

No.	Heat No.	*1	*2	Chemical Composition% C	Si	Mn	P	S	V	Ni	Cr	Mo	Cu	Nb	Lot No.	*3	*4	*5	Tensile Test G.L.=L1 Y.S. *6	T.S.	E.L.	HB	*3	*4	*7	*8	Impact Test 1	2	3	AVG	Hardness Test	Microstructure	Grain size
				2	2	2	3	3	3	2	2	2	2	3																			
				1=X10, 2=X100, 3=X1000, 4=X10000, 5=X100000															MPa		%													
MIN MAX				17 22	10 --	29 135	-- 50	-- 58	-- 30	-- 40	-- 40	-- 15	-- 40	-- 10					240 --	415 585	25 --	-- 197											
1	21614		H	20	18	73	21	24	20	19	21	8	16	4	27563	P			265	475	29.0	170											
2		C														P	2	1	275	480	29.5	175											
4																																	
5																	2	1															
6																																	
7																																	
8																																	
9																																	

E.T.	--	E.M.I.	--	U.T.	--	M.P.I.	--	W.T.Mesure	———% Coverage	Visual& Dimensions	Good	Coating	--	Drift Test	--		

Expansion	Ring Expansion	Ring Tensile	Flattening	Bending	Heat Treatment	NDT			
--	--	--	Good	--	--	Good			

NOTES	G.L.=Gauge Length L1=5.65 SQRT(F0) *1 Procese Continuous Casting *2 Chemical Composition H=Heat(Ladle) Analysis *3 Size 2= Strip T×20mm *5 Orientation 1= Longitudinal *6 = σs
REMARK	
SURVEYOR	WE HERE CERTIFY THAT THE MATERIAL. HEREIN DESCRIBED HAS BEEN MANUFACTURED, TESTED IN ACCORDANCE WITH ABOVE STANDARD AND SPECIFICATION AND SATISFIED THE REQUIRMENTS.

BAOSHAN IRON&STEEL CO., LTD.

MAGOC02

INSPECTION CERTIFICATE

3521TONGJI ROAD.BAOSHAN DISTRICT
201900 SHANGHAI.P.R.CHINA
TEL:(021)56782011 FAX:(021)56788269
HTTP:\\WWW.BAOSTEEL.COM\BSTIM

CUSTOMER		PRODUCT	Steel pipe		
PURCHASER		CUSTOMER' S NO.	432542	CERTIFICATION NO.	T20381408
SPECIFICATION	ASME B36.10M-1996 ASTM A106/A53 GR.B No Coating	DATE OF DELIVERY	20210717	CONTRACT NO.	G20034151
		CUSTOMER ORDER NO.		DATE OF ISSUE	20210717
		STAMP OF MILL INSPECTER	(Four)	LICENSE	XK05-108-001

O.D.	76.10	W.T.	10.00	Length Scope	6.00m--12.00m	Total Length		Total Bundles		Order Quantity.	10.21 MT		
Total pcs		Total Weight	10.21MT	Delivery Condition	As-Rolled	Making Method	Hot Finished Seamless						

No.	Heat No.	*1	*2	Chemical Composition% C	Si	Mn	P	S	V	Ni	Cr	Mo	Cu	Nb	Lot No.	*3	*4	*5	Tensile Test G.L.=L1 Y.S. *6	T.S.	E.L.	HB	Impact Test *3	*4	*7	*8	1	2	3	AVG	Hardness Test	Microstructure	Grain size
				2	2	2	3	3	3	2	2	2	2	3																			
				1=X10, 2=X100, 3=X1000, 4=X10000, 5=X100000															MPa		%												
MIN MAX				17 22	10 --	29 135	-- 50	-- 58	-- 30	-- 40	-- 40	-- 15	-- 40	-- 10					240 --	415 585	25 --	-- 197											
1	21614		H	20	18	73	21	24	20	19	21	8	16	4	27563	P			265	475	29.0	170											
2		C														P	2	1	275	480	29.5	175											
4																																	
5																	2	1															
6																																	
7																																	
8																																	
9																																	

E.T.	--	E.M.I.	--	U.T.	--	M.P.I.	--	W.T.Mesure	———% Coverage	Visual& Dimensions	Good	Coating	--	Drift Test	--		

Expansion	Ring Expansion	Ring Tensile	Flattening	Bending	Heat Treatment	NDT			
--	--	--	Good	--	--	Good			

NOTES	G.L.=Gauge Length L1=5.65 SQRT(F0) *1 Procese Continuous Casting *2 Chemical Composition H=Heat(Ladle) Analysis *3 Size 2= Strip T×20mm *5 Orientation 1= Longitudinal *6 = σs
REMARK	
SURVEYOR	WE HERE CERTIFY THAT THE MATERIAL. HEREIN DESCRIBED HAS BEEN MANUFACTURED, TESTED IN ACCORDANCE WITH ABOVE STANDARD AND SPECIFICATION AND SATISFIED THE REQUIRMENTS.

BAOSHAN IRON AND STEEL CO.,LTD. Special seal for quality certificate

BAOSHAN IRON&STEEL CO.,LTD.

MAGOC02

INSPECTION CERTIFICATE

3521TONGJI ROAD.BAOSHAN DISTRICT
201900 SHANGHAI.P.R.CHINA
TEL:(021)56782011 FAX:(021)56788269
HTTP:\\WWW.BAOSTEEL.COM\BSTIM

CUSTOMER		PRODUCT	Steel pipe		
PURCHASER		CUSTOMER' S NO.	685428	CERTIFICATION NO.	T3625427
SPECIFICATION	ASME B36.10M-1996 ASTM A106/A53 GR.B No Coating	DATE OF DELIVERY	20210717	CONTRACT NO.	G20032525
		CUSTOMER ORDER NO.		DATE OF ISSUE	20210717
		STAMP OF MILL INSPECTER	LICENSE	XK05-108-001	

O.D.	88.90	W.T.	5.50	Length Scope	6.00m--12.00m	Total Length		Total Bundles		Order Quantity.	10.22T
Total pcs		Total Weight	10.22MT	Delivery Condition	As-Rolled	Making Method				Hot Finished Seamless	

BAOSHAN IRON AND STEEL CO., LTD. (Four) Special seal for quality certificate

No.	Heat No.	*1	*2	Chemical Composition% C	Si	Mn	P	S	V	Ni	Cr	Mo	Cu	Nb	Lot No.	*3	*4	*5	Tensile Test G.L.=L1 Y.S. *6	T.S.	E.L.	HB	Impact Test *3	*4	*7	*8	1	2	3	AVG	Hardness Test	Microstructure	Grain size
				2	2	2	3	3	3	2	2	2	2	3																			
				1=X10, 2=X100, 3=X1000, 4=X10000, 5=X100000															MPa		%												
MIN MAX				17 22	10 --	29 135	-- 50	-- 58	-- 30	-- 40	-- 40	-- 15	-- 40	-- 10					240 --	415 585	25 --	-- 197											
1 2 4 5 6 7 8 9	22889	C	H	18	17	70	22	21	20	18	20	7	15	6	21325	P P	 2	 1	260 265	450 455	27.0 27.5	160 165											
																	2	1															

E.T.	--	E.M.I.	--	U.T.	--	M.P.I.	--	W.T.Mesure	——% Coverage	Visual& Dimensions	Good	Coating	--	Drift Test	--		

Expansion	Ring Expansion	Ring Tensile	Flattening	Bending	Heat Treatment	NDT			
--	--	--	Good	--	--	Good			

NOTES	G.L.=Gauge Length L1=5.65 SQRT(F0) *1 Procese Continuous Casting *2 Chemical Composition H=Heat(Ladle) Analysis *3 Size 2= Strip T×20mm *5 Orientation 1= Longitudinal *6 = σs
REMARK	
SURVEYOR	WE HERE CERTIFY THAT THE MATERIAL. HEREIN DESCRIBED HAS BEEN MANUFACTURED, TESTED IN ACCORDANCE WITH ABOVE STANDARD AND SPECIFICATION AND SATISFIED THE REQUIRMENTS.

BAOSHAN IRON&STEEL CO.,LTD.

MAGOC02

INSPECTION CERTIFICATE

3521TONGJI ROAD.BAOSHAN DISTRICT
201900 SHANGHAI.P.R.CHINA
TEL:(021)56782011 FAX:(021)56788269
HTTP:\\WWW.BAOSTEEL.COM\BSTIM

CUSTOMER		PRODUCT	Steel pipe		
PURCHASER		CUSTOMER' S NO.	324156	CERTIFICATION NO.	T20381471
SPECIFICATION	ASME B36.10M-1996 ASTM A106/A53 GR.B No Coating	DATE OF DELIVERY	20210717	CONTRACT NO.	G20032432
		CUSTOMER ORDER NO.		DATE OF ISSUE	20210717
		STAMP OF MILL INSPECTER		LICENSE	XK05-108-001

O.D.	114.30	W.T.	6.00	Length Scope	6.00m--12.00m	Total Length	(Four)	Total Bundles		Order Quantity.	13.47 MT
Total pcs		Total Weight	13.47MT	Delivery Condition	As Rolled	Making Method		Hot Finished Seamless			

No.	Heat No.	*1	*2	Chemical Composition% C	Si	Mn	P	S	V	Ni	Cr	Mo	Cu	Nb	Lot No.	*3	*4	*5	Tensile Test G.L.=L1 Y.S. *6	T.S.	E.L.	HB	Impact Test *3	*4	*7	*8	1	2	3	AVG	Hardness Test	Microstructure	Grain size
				2	2	2	3	3	3	2	2	2	2	3																			
				1=X10, 2=X100, 3=X1000, 4=X10000, 5=X100000															MPa		%													
MIN MAX				17 22	10 --	29 135	-- 50	-- 58	-- 30	-- 40	-- 40	-- 15	-- 40	-- 10					240 --	415 585	25 --	-- 197											
1 2 4 5 6 7 8 9	20814	C	H	18	17	74	20	21	21	18	21	8	16	5	28549	P P	2	1 2	265 275	470 480	29.0 29.5	170 175											

E.T.	--	E.M.I.	--	U.T.	--	M.P.I.	--	W.T.Mesure	———% Coverage	Visual& Dimensions	Good	Coating	--	Drift Test	--		

Expansion	Ring Expansion	Ring Tensile	Flattening	Bending	Heat Treatment	NDT			
--	--	--	Good	--	--	Good			

NOTES	G.L.=Gauge Length L1=5.65 SQRT(F0) *1 Procese Continuous Casting *2 Chemical Composition H=Heat(Ladle) Analysis *3 Size 2= Strip T×20mm *5 Orientation 1= Longitudinal *6 = σs
REMARK	
SURVEYOR	WE HERE CERTIFY THAT THE MATERIAL. HEREIN DESCRIBED HAS BEEN MANUFACTURED, TESTED IN ACCORDANCE WITH ABOVE STANDARD AND SPECIFICATION AND SATISFIED THE REQUIRMENTS.

BAOSHAN IRON AND STEEL CO.,LTD.
Special seal for quality certificate

BAOSHAN IRON&STEEL CO., LTD.

MAGOC02

INSPECTION CERTIFICATE

3521TONGJI ROAD.BAOSHAN DISTRICT
201900 SHANGHAI.P.R.CHINA
TEL:(021)56782011 FAX:(021)56788269
HTTP:\\WWW.BAOSTEEL.COM\BSTIM

CUSTOMER		PRODUCT	Steel pipe		
PURCHASER		CUSTOMER' S NO.	842563	CERTIFICATION NO.	T20381432
SPECIFICATION	ASME B36.10M-1996 ASTM A106/A53 GR.B No Coating	DATE OF DELIVERY	20210717	CONTRACT NO.	G20034152
		CUSTOMER ORDER NO.		DATE OF ISSUE	20210717
		STAMP OF MILL INSPECTER	(Four)	LICENSE	XK05-108-001

O.D.	114.30	W.T.	7.50	Length Scope	6.00m—12.00m	Total Length		Total Bundles		Order Quantity.	13.87 MT
Total pcs		Total Weight	13.87MT	Delivery Condition	As-Rolled	Making Method	Hot Finished Seamless				

No.	Heat No.	*1	*2	Chemical Composition% C	Si	Mn	P	S	V	Ni	Cr	Mo	Cu	Nb	Lot No.	*3	*4	*5	Tensile Test G.L.=L1 Y.S. *6	T.S.	E.L.	HB	Impact Test *3	*4	*7	*8	1	2	3	AVG	Hardness Test	Microstructure	Grain size
				2	2	2	3	3	3	2	2	2	2	3																			
				1=X10, 2=X100, 3=X1000, 4=X10000, 5=X100000															MPa		%												
MIN MAX				17 22	10 —	29 135	— 50	— 58	— 30	— 40	— 40	— 15	— 40	— 10					240 —	415 585	25 —	— 197											
1 2 4 5 6 7 8 9	21168	C	H	18	17	74	20	21	21	18	21	8	16	5	32152	P P	2 2	1 1	265 275	470 480	29.0 29.5	170 175											

E.T.	--	E.M.I.	--	U.T.	--	M.P.I.	--	W.T.Mesure	——% Coverage	Visual& Dimensions	Good	Coating	--	Drift Test	--		

Expansion	Ring Expansion	Ring Tensile	Flattening	Bending	Heat Treatment	NDT			
--	--	--	Good	--	--	Good			

NOTES	G.L.=Gauge Length L1=5.65 SQRT(F0) *1 Procese Continuous Casting *2 Chemical Composition H=Heat(Ladle) Analysis *3 Size 2= Strip T×20mm *5 Orientation 1= Longitudinal *6 = σs
REMARK	
SURVEYOR	WE HERE CERTIFY THAT THE MATERIAL. HEREIN DESCRIBED HAS BEEN MANUFACTURED, TESTED IN ACCORDANCE WITH ABOVE STANDARD AND SPECIFICATION AND SATISFIED THE REQUIRMENTS.

BAOSHAN IRON AND STEEL CO., LTD. special seal for quality certificate

BAOSHAN IRON&STEEL CO.,LTD.

MAGOC02

INSPECTION CERTIFICATE

3521TONGJI ROAD.BAOSHAN DISTRICT
201900 SHANGHAI.P.R.CHINA
TEL:(021)56782011 FAX:(021)56788269
HTTP:\\WWW.BAOSTEEL.COM\BSTIM

CUSTOMER		PRODUCT	Steel pipe		
PURCHASER		CUSTOMER' S NO.	324586	CERTIFICATION NO.	T20381422
SPECIFICATION	ASME B36.10M-1996 ASTM A106/A53 GR.B No Coating	DATE OF DELIVERY	20210717	CONTRACT NO.	G20032474
		CUSTOMER ORDER NO.		DATE OF ISSUE	20210717
		STAMP OF MILL INSPECTER		LICENSE	XK05-108-001

O.D.	168.30	W.T.	7.00	Length Scope	6.00m--12.00m	Total Length	(Four)	Total Bundles		Order Quantity.	16.85MT		
Total pcs		Total Weight	16.85MT	Delivery Condition	As Rolled	Making Method	Hot Finished Seamless						

No.	Heat No.	*1	*2	Chemical Composition% C	Si	Mn	P	S	V	Ni	Cr	Mo	Cu	Nb	Lot No.	*3	*4	*5	Tensile Test G.L.=L1 Y.S. *6	T.S.	E.L.	HB	Impact Test *3	*4	*7	*8	1	2	3	AVG	Hardness Test	Microstructure	Grain size
				2	2	2	3	3	3	2	2	2	2	3																			
				1=X10, 2=X100, 3=X1000, 4=X10000, 5=X100000															MPa		%												
MIN MAX				17 22	10 --	29 135	-- 50	-- 58	-- 30	-- 40	-- 40	-- 15	-- 40	-- 10					240 --	415 585	25 --	-- 197											
1	22868		H	19	18	76	21	22	20	18	21	8	16	5	48548	P			270	470	29.0	170											
2		C														P	2	1	275	480	29.5	175											
4																																	
5																	2	1															
6																																	
7																																	
8																																	
9																																	

E.T.	--	E.M.I.	--	U.T.	--	M.P.I.	--	W.T.Mesure	———% Coverage	Visual& Dimensions	Good	Coating	--	Drift Test	--		

Expansion	Ring Expansion	Ring Tensile	Flattening	Bending	Heat Treatment	NDT			
--	--	--	Good	--	--	Good			

NOTES	G.L.=Gauge Length L1=5.65 SQRT(F0) *1 Procese Continuous Casting *2 Chemical Composition H=Heat(Ladle) Analysis *3 Size 2= Strip T×20mm *5 Orientation 1= Longitudinal *6 = σs
REMARK	
SURVEYOR	WE HERE CERTIFY THAT THE MATERIAL. HEREIN DESCRIBED HAS BEEN MANUFACTURED, TESTED IN ACCORDANCE WITH ABOVE STANDARD AND SPECIFICATION AND SATISFIED THE REQUIRMENTS.

BAOSHAN IRON AND STEEL CO., LTD.
Special seal for quality certificate

BAOSHAN IRON&STEEL CO.,LTD.

MAGOC02

INSPECTION CERTIFICATE

3521TONGJI ROAD.BAOSHAN DISTRICT
201900 SHANGHAI.P.R.CHINA
TEL:(021)56782011 FAX:(021)56788269
HTTP:\\WWW.BAOSTEEL.COM\BSTIM

CUSTOMER		PRODUCT	Steel pipe		
PURCHASER		CUSTOMER' S NO.	542863	CERTIFICATION NO.	T20381417
SPECIFICATION	ASME B36.10M-1996 ASTM A106/A53 GR.B No Coating	DATE OF DELIVERY	20210717	CONTRACT NO.	G20634152
		CUSTOMER ORDER NO.		DATE OF ISSUE	20210717
		STAMP OF MILL INSPECTOR		LICENSE	XK05-108-001

O.D.	168.30	W.T.	8.00	Length Scope	6.00m--12.00m	Total Length	(Four)	Total Bundles		Order Quantity.	15.15MT
Total pcs		Total Weight	15.15MT	Delivery Condition	As Rolled	Making Method		Hot Finished Seamless			

Chemical Composition%

No.	Heat No.	*1	*2	C	Si	Mn	P	S	V	Ni	Cr	Mo	Cu	Nb
				2	2	2	3	3	3	2	2	2	2	3
				1=X10, 2=X100, 3=X1000, 4=X10000, 5=X100000										
MIN				17	10	29	--	--	--	--	--	--	--	--
MAX				22	--	135	50	58	30	40	40	15	40	10
1	21119	C	H	19	18	76	21	22	20	18	21	8	16	5
2														
4														
5														
6														
7														
8														
9														

Tensile Test G.L.=L1 / Impact Test / Hardness Test / Microstructure / Grain size

Lot No.	*3	*4	*5	Y.S. *6 (MPa)	T.S. (MPa)	E.L. (%)	HB	*3	*4	*7	*8	1	2	3	AVG	Hardness Test	Microstructure	Grain size
MIN				240	415	25	--											
MAX				--	585	--	197											
64152	P			270	470	29.0	170											
	P	2	1	275	480	29.5	175											
		2	1															

E.T.	--	E.M.I.	--	U.T.	--	M.P.I.	--	W.T.Mesure	——% Coverage	Visual& Dimensions	Good	Coating	--	Drift Test	--		

Expansion	Ring Expansion	Ring Tensile	Flattening	Bending	Heat Treatment	NDT			
--	--	--	Good	--	--	Good			

NOTES	G.L.=Gauge Length L1=5.65 SQRT(F0) *1 Procese Continuous Casting *2 Chemical Composition H=Heat(Ladle) Analysis *3 Size 2= Strip T×20mm *5 Orientation 1= Longitudinal *6 = σs
REMARK	
SURVEYOR	WE HERE CERTIFY THAT THE MATERIAL. HEREIN DESCRIBED HAS BEEN MANUFACTURED, TESTED IN ACCORDANCE WITH ABOVE STANDARD AND SPECIFICATION AND SATISFIED THE REQUIRMENTS.

BAOSHAN IRON AND STEEL CO., LTD.
Special seal for quality certificate

BAOSHAN IRON&STEEL CO.,LTD.

MAGOC02

INSPECTION CERTIFICATE

3521TONGJI ROAD.BAOSHAN DISTRICT
201900 SHANGHAI.P.R.CHINA
TEL:(021)56782011 FAX:(021)56788269
HTTP:\\WWW.BAOSTEEL.COM\BSTIM

CUSTOMER		PRODUCT	Steel pipe		
PURCHASER		CUSTOMER' S NO.	964125	CERTIFICATION NO.	T20381752
SPECIFICATION	ASME B36.10M-1996 ASTM A106/A53 GR.B No Coating	DATE OF DELIVERY	20210717	CONTRACT NO.	G20032244
		CUSTOMER ORDER NO.		DATE OF ISSUE	20210717
		STAMP OF MILL INSPECTER	(Four)	LICENSE	XK05-108-001

O.D.	180.00	W.T.	10.00	Length Scope	6.00m--12.00m	Total Length		Total Bundles		Order Quantity.	14.74MT
Total pcs		Total Weight	14.74MT	Delivery Condition	As-Rolled	Making Method				Hot Finished Seamless	

No.	Heat No.	*1	*2	Chemical Composition% C	Si	Mn	P	S	V	Ni	Cr	Mo	Cu	Nb	Lot No.	*3	*4	*5	Tensile Test G.L.=L1 Y.S. *6	T.S.	E.L.	HB	Impact Test *3	*4	*7	*8	1	2	3	AVG	Hardness Test	Microstructure	Grain size
				2	2	2	3	3	3	2	2	2	2	3																			
				1=X10, 2=X100, 3=X1000, 4=X10000, 5=X100000															MPa		%												
MIN				17	10	29	--	--	--	--	--	--	--	--					240	415	25	--											
MAX				22	--	135	50	58	30	40	40	15	40	10					--	585	--	197											
1	21183		H	18	17	75	20	22	20	18	21	8	16	6	52241	P			250	450	27.0	165											
2		C														P	2	1	255	455	27.5	170											
4																																	
5																	2	1															
6																																	
7																																	
8																																	
9																																	

E.T.	--	E.M.I.	--	U.T.	--	M.P.I.	--	W.T.Mesure	———% Coverage	Visual& Dimensions	Good	Coating	--	Drift Test	--				

Expansion	Ring Expansion	Ring Tensile	Flattening	Bending	Heat Treatment	NDT			
--	--	--	Good	--	--	Good			

NOTES	G.L.=Gauge Length L1=5.65 SQRT(F0) *1 Procese Continuous Casting *2 Chemical Composition H=Heat(Ladle) Analysis *3 Size 2= Strip T×20mm *5 Orientation 1= Longitudinal *6 = σs
REMARK	
SURVEYOR	WE HERE CERTIFY THAT THE MATERIAL. HEREIN DESCRIBED HAS BEEN MANUFACTURED, TESTED IN ACCORDANCE WITH ABOVE STANDARD AND SPECIFICATION AND SATISFIED THE REQUIRMENTS.

BAOSHAN IRON AND STEEL CO.,LTD. Special seal for quality certificate

BAOSHAN IRON&STEEL CO.,LTD.

MAGOC02

INSPECTION CERTIFICATE

3521TONGJI ROAD.BAOSHAN DISTRICT
201900 SHANGHAI.P.R.CHINA
TEL:(021)56782011 FAX:(021)56788269
HTTP:\\WWW.BAOSTEEL.COM\BSTIM

CUSTOMER		PRODUCT	Steel pipe		
PURCHASER		CUSTOMER' S NO.	472638	CERTIFICATION NO.	T20381745
SPECIFICATION	ASME B36.10M-1996 ASTM A106/A53 GR.B No Coating	DATE OF DELIVERY	20210717	CONTRACT NO.	G20032232
		CUSTOMER ORDER NO.		DATE OF ISSUE	20210717
		STAMP OF MILL INSPECTER	(Four)	LICENSE	XK05-108-001

O.D.	180.00	W.T.	13.00	Length Scope	6.00m--12.00m	Total Length		Total Bundles		Order Quantity.	17.05MT
Total pcs		Total Weight	17.05MT	Delivery Condition	As-Rolled	Making Method				Hot Finished Seamless	

No.	Heat No.	*1	*2	Chemical Composition% C	Si	Mn	P	S	V	Ni	Cr	Mo	Cu	Nb	Lot No.	Tensile Test G.L.=L1 *3	*4	*5	Y.S. *6	T.S.	E.L.	HB	Impact Test *3	*4	*7	*8	1	2	3	AVG	Hardness Test	Microstructure	Grain size
				2	2	2	3	3	3	2	2	2	2	3																			
				1=X10, 2=X100, 3=X1000, 4=X10000, 5=X100000															MPa		%												
MIN MAX				17 22	10 --	29 135	-- 50	-- 58	-- 30	-- 40	-- 40	-- 15	-- 40	-- 10					240 --	415 585	25 --	-- 197											
1	21683	C	H	19	18	73	21	22	20	18	21	8	16	6	38693	P			255	455	27.0	165											
2																P	2	1	255	455	27.5	170											
4																																	
5																	2	1															
6																																	
7																																	
8																																	
9																																	

E.T.	--	E.M.I.	--	U.T.	--	M.P.I.	--	W.T.Mesure	———% Coverage	Visual& Dimensions	Good	Coating	--	Drift Test	--		

Expansion	Ring Expansion	Ring Tensile	Flattening	Bending	Heat Treatment	NDT			
--	--	--	Good	--	--	Good			

NOTES	G.L.=Gauge Length L1=5.65 SQRT(F0) *1 Procese Continuous Casting *2 Chemical Composition H=Heat(Ladle) Analysis *3 Size 2= Strip T×20mm *5 Orientation 1= Longitudinal *6 = σs
REMARK	
SURVEYOR	WE HERE CERTIFY THAT THE MATERIAL. HEREIN DESCRIBED HAS BEEN MANUFACTURED, TESTED IN ACCORDANCE WITH ABOVE STANDARD AND SPECIFICATION AND SATISFIED THE REQUIRMENTS.

BAOSHAN IRON AND STEEL CO.,LTD. Special seal for quality certificate

BAOSHAN IRON&STEEL CO., LTD.

INSPECTION CERTIFICATE

3521TONGJI ROAD.BAOSHAN DISTRICT
201900 SHANGHAI.P.R.CHINA
TEL:(021)56782011 FAX:(021)56788269
HTTP:\\WWW.BAOSTEEL.COM\BSTIM

MAGOC02

CUSTOMER		PRODUCT	Steel pipe		
PURCHASER		CUSTOMER' S NO.	644125	CERTIFICATION NO.	T6352362
SPECIFICATION	ASME B36.10M-1996 ASTM A106/A53 GR.B No Coating	DATE OF DELIVERY	20210717	CONTRACT NO.	G20032525
		CUSTOMER ORDER NO.		DATE OF ISSUE	20210717
		STAMP OF MILL INSPECTER		LICENSE	XK05-108-001

O.D.	219.10	W.T.	8.00	Length Scope	6.00m--12.00m	Total Length	(FOUR)	Total Bundles		Order Quantity.	26.48MT
Total pcs		Total Weight	26.48MT	Delivery Condition	As-Rolled	Making Method		Hot Finished Seamless			

No.	Heat No.	*1	*2	Chemical Composition% C	Si	Mn	P	S	V	Ni	Cr	Mo	Cu	Nb	Lot No.	*3	*4	*5	Tensile Test G.L.=L1 Y.S. *6	T.S.	E.L.	HB	Impact Test *3	*4	*7	*8	1	2	3	AVG	Hardness Test	Microstructure	Grain size
				2	2	2	3	3	3	2	2	2	2	3																			
				1=X10, 2=X100, 3=X1000, 4=X10000, 5=X100000															MPa		%												
MIN				17	10	29	--	--	--	--	--	--	--	--					240	415	25	--											
MAX				22	--	135	50	58	30	40	40	15	40	10					--	585	--	197											
1	22819	C	H	18	16	65	20	19	21	19	20	8	16	5	21485	P			255	460	26.5	155											
2																P	2	1	260	465	27.0	156											
4																																	
5																	2	1															
6																																	
7																																	
8																																	
9																																	

E.T.	--	E.M.I.	--	U.T.	--	M.P.I.	--	W.T.Mesure	———% Coverage	Visual& Dimensions	Good	Coating	--	Drift Test	--		

Expansion	Ring Expansion	Ring Tensile	Flattening	Bending	Heat Treatment	NDT			
--	--	--	Good	--	--	Good			

NOTES	G.L.=Gauge Length L1=5.65 SQRT(F0) *1 Procese Continuous Casting *2 Chemical Composition H=Heat(Ladle) Analysis *3 Size 2= Strip T×20mm *5 Orientation 1= Longitudinal *6 = σs
REMARK	
SURVEYOR	WE HERE CERTIFY THAT THE MATERIAL. HEREIN DESCRIBED HAS BEEN MANUFACTURED, TESTED IN ACCORDANCE WITH ABOVE STANDARD AND SPECIFICATION AND SATISFIED THE REQUIRMENTS.

BAOSHAN IRON AND STEEL CO., LTD.
Special seal for quality certificate

BAOSHAN IRON&STEEL CO.,LTD.

MAGOC02

INSPECTION CERTIFICATE

3521TONGJI ROAD.BAOSHAN DISTRICT
201900 SHANGHAI.P.R.CHINA
TEL:(021)56782011 FAX:(021)56788269
HTTP:\\WWW.BAOSTEEL.COM\BSTIM

CUSTOMER		PRODUCT	Steel pipe		
PURCHASER		CUSTOMER' S NO.	648514	CERTIFICATION NO.	T6352422
SPECIFICATION	ASME B36.10M-1996 ASTM A106/A53 GR.B No Coating	DATE OF DELIVERY	20210717	CONTRACT NO.	G20032556
		CUSTOMER ORDER NO.		DATE OF ISSUE	20210717
		STAMP OF MILL INSPECTER		LICENSE	XK05-108-001

O.D.	219.10	W.T.	10.00	Length Scope	6.00m--12.00m	Total Length	(Four)	Total Bundles		Order Quantity.	26.62MT
Total pcs		Total Weight	26.62MT	Delivery Condition	As-Rolled	Making Method		Hot Finished Seamless			

No.	Heat No.	*1	*2	Chemical Composition% C	Si	Mn	P	S	V	Ni	Cr	Mo	Cu	Nb	Lot No.	*3	*4	*5	Tensile Test G.L.=L1 Y.S. *6	T.S.	E.L.	HB	Impact Test *3	*4	*7	*8	1	2	3	AVG	Hardness Test	Microstructure	Grain size
				2	2	2	3	3	3	2	2	2	2	3																			
				1=X10, 2=X100, 3=X1000, 4=X10000, 5=X100000															MPa		%												
MIN				17	10	29	--	--	--	--	--	--	--	--					240	415	25	--											
MAX				22	--	135	50	58	30	40	40	15	40	10					--	585	--	197											
1	21135		H	19	15	70	21	21	19	18	21	8	16	6	21454	P			255	460	27.0	165											
2		C														P	2	1	260	465	27.5	170											
4																																	
5																	2	1															
6																																	
7																																	
8																																	
9																																	

E.T.	--	E.M.I.	--	U.T.	--	M.P.I.	--	W.T.Mesure	———% Coverage	Visual& Dimensions	Good	Coating	--	Drift Test	--		

Expansion	Ring Expansion	Ring Tensile	Flattening	Bending	Heat Treatment	NDT			
--	--	--	Good	--	--	Good			

NOTES	G.L.=Gauge Length L1=5.65 SQRT(F0) *1 Procese Continuous Casting *2 Chemical Composition H=Heat(Ladle) Analysis *3 Size 2= Strip T×20mm *5 Orientation 1= Longitudinal *6 = σs
REMARK	
SURVEYOR	WE HERE CERTIFY THAT THE MATERIAL. HEREIN DESCRIBED HAS BEEN MANUFACTURED, TESTED IN ACCORDANCE WITH ABOVE STANDARD AND SPECIFICATION AND SATISFIED THE REQUIRMENTS.

BAOSHAN IRON AND STEEL CO.,LTD. Special seal for quality certificate

BAOSHAN IRON&STEEL CO.,LTD.

MAGOC02

INSPECTION CERTIFICATE

3521TONGJI ROAD.BAOSHAN DISTRICT
201900 SHANGHAI.P.R.CHINA
TEL:(021)56782011 FAX:(021)56788269
HTTP:\\WWW.BAOSTEEL.COM\BSTIM

CUSTOMER		PRODUCT	Steel pipe		
PURCHASER		CUSTOMER' S NO.	721563	CERTIFICATION NO.	T6352432
SPECIFICATION	ASME B36.10M-1996 ASTM A106/A53 GR.B No Coating	DATE OF DELIVERY	20210717	CONTRACT NO.	G20032541
		CUSTOMER ORDER NO.		DATE OF ISSUE	20210717
		STAMP OF MILL INSPECTER		LICENSE	XK05-108-001

O.D.	219.10	W.T.	14.00	Length Scope	6.00m--12.00m	Total Length		Total Bundles		Order Quantity.	32.15MT
Total pcs		Total Weight	32.15MT	Delivery Condition	As-Rolled	Making Method				Hot Finished Seamless	

No.	Heat No.	*1	*2	Chemical Composition% C	Si	Mn	P	S	V	Ni	Cr	Mo	Cu	Nb	Lot No.	*3	*4	*5	Tensile Test G.L.=L1 Y.S. *6	T.S.	E.L.	HB	Impact Test *3	*4	*7	*8	1	2	3	AVG	Hardness Test	Microstructure	Grain size
				2	2	2	3	3	3	2	2	2	2	3																			
				1=X10, 2=X100, 3=X1000, 4=X10000, 5=X100000															MPa		%												
MIN				17	10	29	--	--	--	--	--	--	--	--					240	415	25	--											
MAX				22	--	135	50	58	30	40	40	15	40	10					--	585	--	197											
1	21625		H	18	16	71	21	21	19	18	21	8	16	6	23625	P			250	460	27.0	165											
2		C														P	2	1	260	465	27.5	170											
4																	2	1															
5																																	
6																																	
7																																	
8																																	
9																																	

E.T.	--	E.M.I.	--	U.T.	--	M.P.I.	--	W.T.Mesure	———% Coverage	Visual& Dimensions	Good	Coating	--	Drift Test	--		

Expansion	Ring Expansion	Ring Tensile	Flattening	Bending	Heat Treatment	NDT			
--	--	--	Good	--	--	Good			

NOTES	G.L.=Gauge Length L1=5.65 SQRT(F0) *1 Procese Continuous Casting *2 Chemical Composition H=Heat(Ladle) Analysis *3 Size 2= Strip T×20mm *5 Orientation 1= Longitudinal *6 = σs
REMARK	
SURVEYOR	WE HERE CERTIFY THAT THE MATERIAL. HEREIN DESCRIBED HAS BEEN MANUFACTURED, TESTED IN ACCORDANCE WITH ABOVE STANDARD AND SPECIFICATION AND SATISFIED THE REQUIRMENTS.

BAOSHAN IRON AND STEEL CO.,LTD. (Four) Special seal for quality certificate

BAOSHAN IRON&STEEL CO.,LTD.

INSPECTION CERTIFICATE

3521TONGJI ROAD.BAOSHAN DISTRICT
201900 SHANGHAI.P.R.CHINA
TEL:(021)56782011 FAX:(021)56788269
HTTP:\\WWW.BAOSTEEL.COM\BSTIM

MAGOC02

CUSTOMER		PRODUCT	Steel pipe		
PURCHASER		CUSTOMER' S NO.	354289	CERTIFICATION NO.	T6353524
SPECIFICATION	ASME B36.10M-1996 ASTM A106/A53 GR.B No Coating	DATE OF DELIVERY	20210717	CONTRACT NO.	G20032338
		CUSTOMER ORDER NO.		DATE OF ISSUE	20210717
		STAMP OF MILL INSPECTER	LICENSE	XK05-108-001	

O.D.	273.00	W.T.	10.00	Length Scope	6.00m--12.00m	Total Length		Total Bundles		Order Quantity.	32.48MT
Total pcs		Total Weight	32.48MT	Delivery Condition	As Rolled	Making Method		Hot Finished Seamless			

No.	Heat No.	*1	*2	C	Si	Mn	P	S	V	Ni	Cr	Mo	Cu	Nb	Lot No.	*3	*4	*5	Y.S. *6	T.S.	E.L.	HB	*3	*4	*7	*8	1	2	3	AVG	Hardness Test	Microstructure	Grain size
				Chemical Composition%															Tensile Test G.L.=L1				Impact Test										
				2	2	2	3	3	3	2	2	2	2	3																			
				1=X10, 2=X100, 3=X1000, 4=X10000, 5=X100000															MPa		%													
MIN				17	10	29	--	--	--	--	--	--	--	--					240	415	25	--											
MAX				22	--	135	50	58	30	40	40	15	40	10					--	585	--	197											
1	22883		H	18	16	71	20	20	18	18	21	8	16	7	21457	P			260	450	28.0	170											
2		C														P	2	1	265	455	28.5	175											
4																																	
5																	2	1															
6																																	
7																																	
8																																	
9																																	

E.T.	--	E.M.I.	--	U.T.	--	M.P.I.	--	W.T.Mesure	———% Coverage	Visual& Dimensions	Good	Coating	--	Drift Test	--		

Expansion	Ring Expansion	Ring Tensile	Flattening	Bending	Heat Treatment	NDT			
--	--	--	Good	--	--	Good			

NOTES	G.L.=Gauge Length L1=5.65 SQRT(F0) *1 Procese Continuous Casting *2 Chemical Composition H=Heat(Ladle) Analysis *3 Size 2= Strip T×20mm *5 Orientation 1= Longitudinal *6 = σs
REMARK	
SURVEYOR	WE HERE CERTIFY THAT THE MATERIAL. HEREIN DESCRIBED HAS BEEN MANUFACTURED, TESTED IN ACCORDANCE WITH ABOVE STANDARD AND SPECIFICATION AND SATISFIED THE REQUIRMENTS.

BAOSHAN IRON AND STEEL CO.,LTD. (Four) Special seal for quality certificate

BAOSHAN IRON&STEEL CO.,LTD.

MAGOC02

INSPECTION CERTIFICATE

3521TONGJI ROAD.BAOSHAN DISTRICT
201900 SHANGHAI.P.R.CHINA
TEL:(021)56782011 FAX:(021)56788269
HTTP:\\WWW.BAOSTEEL.COM\BSTIM

CUSTOMER		PRODUCT	Steel pipe		
PURCHASER		CUSTOMER' S NO.	642573	CERTIFICATION NO.	T6353574
SPECIFICATION	ASME B36.10M-1996 ASTM A106/A53 GR.B No Coating	DATE OF DELIVERY	20210717	CONTRACT NO.	G20032332
		CUSTOMER ORDER NO.		DATE OF ISSUE	20210717
		STAMP OF MILL INSPECTER	(Four)	LICENSE	XK05-108-001

O.D.	323.90	W.T.	10.00	Length Scope	6.00m--12.00m	Total Length		Total Bundles		Order Quantity.	36.74MT
Total pcs		Total Weight	36.74MT	Delivery Condition	As-Rolled	Making Method		Hot Finished Seamless			

No.	Heat No.	*1	*2	Chemical Composition% C	Si	Mn	P	S	V	Ni	Cr	Mo	Cu	Nb	Lot No.	Tensile Test G.L.=L1 *3	*4	*5	Y.S. *6	T.S.	E.L.	HB	Impact Test *3	*4	*7	*8	1	2	3	AVG	Hardness Test	Microstructure	Grain size
				2	2	2	3	3	3	2	2	2	2	3																			
				1=X10, 2=X100, 3=X1000, 4=X10000, 5=X100000															MPa		%												
MIN MAX				17 22	10 --	29 135	-- 50	-- 58	-- 30	-- 40	-- 40	-- 15	-- 40	-- 10					240 --	415 585	25 --	-- 197											
1	21157	C	H	18	15	69	22	25	15	16	21	8	16	7	28565	P			265	450	28.0	170											
2																P	2	1	270	455	28.5	175											
4																																	
5																	2	1															
6																																	
7																																	
8																																	
9																																	

E.T.	--	E.M.I.	--	U.T.	--	M.P.I.	--	W.T.Mesure	——% Coverage	Visual& Dimensions	Good	Coating	--	Drift Test	--				

Expansion	Ring Expansion	Ring Tensile	Flattening	Bending	Heat Treatment	NDT			
--	--	--	Good	--	--	Good			

NOTES	G.L.=Gauge Length L1=5.65 SQRT(F0) *1 Procese Continuous Casting *2 Chemical Composition H=Heat(Ladle) Analysis *3 Size 2= Strip T×20mm *5 Orientation 1= Longitudinal *6 = σs
REMARK	
SURVEYOR	WE HERE CERTIFY THAT THE MATERIAL. HEREIN DESCRIBED HAS BEEN MANUFACTURED, TESTED IN ACCORDANCE WITH ABOVE STANDARD AND SPECIFICATION AND SATISFIED THE REQUIRMENTS.

BAOSHAN IRON AND STEEL CO.,LTD. Special seal for quality certificate

BAOSHAN IRON&STEEL CO., LTD.

MAGOC02

INSPECTION CERTIFICATE

3521TONGJI ROAD.BAOSHAN DISTRICT
201900 SHANGHAI.P.R.CHINA
TEL:(021)56782011 FAX:(021)56788269
HTTP:\\WWW.BAOSTEEL.COM\BSTIM

CUSTOMER		PRODUCT	Steel pipe		
PURCHASER		CUSTOMER' S NO.	685741	CERTIFICATION NO.	T6353528
SPECIFICATION	ASME B36.10M-1996 ASTM A106/A53 GR.B No Coating	DATE OF DELIVERY	20210717	CONTRACT NO.	G20032366
		CUSTOMER ORDER NO.		DATE OF ISSUE	20210717
		STAMP OF MILL INSPECTER		LICENSE	XK05-108-001

O.D.	406.40	W.T.	10.00	Length Scope	6.00m--12.00m	Total Length (Ft)		Total Bundles		Order Quantity.	36.87MT
Total pcs		Total Weight	36.87MT	Delivery Condition	As-Rolled	Making Method	Hot Finished Seamless				

No.	Heat No.	*1	*2	Chemical Composition% C	Si	Mn	P	S	V	Ni	Cr	Mo	Cu	Nb	Lot No.	*3	*4	*5	Tensile Test G.L.=L1 Y.S. *6	T.S.	E.L.	HB	Impact Test *3	*4	*7	*8	1	2	3	AVG	Hardness Test	Microstructure	Grain size
				2	2	2	3	3	3	2	2	2	2	3																			
				1=X10, 2=X100, 3=X1000, 4=X10000, 5=X100000															MPa		%												
MIN MAX				17 22	10 --	29 135	-- 50	-- 58	-- 30	-- 40	-- 40	-- 15	-- 40	-- 10					240 --	415 585	25 --	-- 197											
1	21110	C	H	18	15	69	20	21	18	18	21	8	16	7	21711	P			260	450	27.0	165											
2																P	2	1	265	465	28.0	170											
4																																	
5																	2	1															
6																																	
7																																	
8																																	
9																																	

E.T.	--	E.M.I.	--	U.T.	--	M.P.I.	--	W.T.Mesure	———% Coverage	Visual& Dimensions	Good	Coating	--	Drift Test	--		

Expansion	Ring Expansion	Ring Tensile	Flattening	Bending	Heat Treatment	NDT			
--	--	--	Good	--	--	Good			

NOTES	G.L.=Gauge Length L1=5.65 SQRT(F0) *1 Procese Continuous Casting *2 Chemical Composition H=Heat(Ladle) Analysis *3 Size 2= Strip T×20mm *5 Orientation 1= Longitudinal *6 = σs
REMARK	
SURVEYOR	WE HERE CERTIFY THAT THE MATERIAL. HEREIN DESCRIBED HAS BEEN MANUFACTURED, TESTED IN ACCORDANCE WITH ABOVE STANDARD AND SPECIFICATION AND SATISFIED THE REQUIRMENTS.

BAOSHAN IRON AND STEEL CO., LTD. Special seal for quality certificate

BAOSHAN IRON&STEEL CO., LTD.

MAGOC02

INSPECTION CERTIFICATE

3521TONGJI ROAD.BAOSHAN DISTRICT
201900 SHANGHAI.P.R.CHINA
TEL:(021)56782011 FAX:(021)56788269
HTTP:\\WWW.BAOSTEEL.COM\BSTIM

CUSTOMER		PRODUCT	Steel pipe		
PURCHASER		CUSTOMER' S NO.	524632	CERTIFICATION NO.	T6358542
SPECIFICATION	ASME B36.10M-1996 ASTM A106/A53 GR.B No Coating	DATE OF DELIVERY	20210717	CONTRACT NO.	G20036541
		CUSTOMER ORDER NO.		DATE OF ISSUE	20210717
		STAMP OF MILL INSPECTER		LICENSE	XK05-108-001

O.D.	457.20	W.T.	10.00	Length Scope	6.00m--12.00m	Total Length	(Four)	Total Bundles		Order Quantity.	36.87MT
Total pcs		Total Weight	36.87MT	Delivery Condition	As-Rolled	Making Method		Hot Finished Seamless			

No.	Heat No.	*1	*2	Chemical Composition% C	Si	Mn	P	S	V	Ni	Cr	Mo	Cu	Nb	Lot No.	*3	*4	*5	Tensile Test G.L.=L1 Y.S. *6	T.S.	E.L.	HB	Impact Test *3	*4	*7	*8	1	2	3	AVG	Hardness Test	Microstructure	Grain size
				2	2	2	3	3	3	2	2	2	2	3																			
				1=X10, 2=X100, 3=X1000, 4=X10000, 5=X100000															MPa		%												
MIN MAX				17 22	10 --	29 135	-- 50	-- 58	-- 30	-- 40	-- 40	-- 15	-- 40	-- 10					240 --	415 585	25 --	-- 197											
1	22857		H	19	16	72	21	20	18	18	20	7	15	6	30475	P			265	460	28.0	165											
2		C														P	2	1	270	465	28.5	170											
4																																	
5																	2	1															
6																																	
7																																	
8																																	
9																																	

E.T.	--	E.M.I.	--	U.T.	--	M.P.I.	--	W.T.Mesure	———% Coverage	Visual& Dimensions	Good	Coating	--	Drift Test	--		

Expansion	Ring Expansion	Ring Tensile	Flattening	Bending	Heat Treatment	NDT			
--	--	--	Good	--	--	Good			

NOTES	G.L.=Gauge Length L1=5.65 SQRT(F0) *1 Procese Continuous Casting *2 Chemical Composition H=Heat(Ladle) Analysis *3 Size 2= Strip T×20mm *5 Orientation 1= Longitudinal *6 = σs
REMARK	
SURVEYOR	WE HERE CERTIFY THAT THE MATERIAL. HEREIN DESCRIBED HAS BEEN MANUFACTURED, TESTED IN ACCORDANCE WITH ABOVE STANDARD AND SPECIFICATION AND SATISFIED THE REQUIRMENTS.

BAOSHAN IRON AND STEEL CO., LTD.
Special seal for quality certificate

BAOSHAN IRON&STEEL CO.,LTD.

MAGOC02

INSPECTION CERTIFICATE

3521TONGJI ROAD.BAOSHAN DISTRICT
201900 SHANGHAI.P.R.CHINA
TEL:(021)56782011 FAX:(021)56788269
HTTP:\\WWW.BAOSTEEL.COM\BSTIM

CUSTOMER		PRODUCT	Steel pipe		
PURCHASER		CUSTOMER' S NO.	425363	CERTIFICATION NO.	T6358539
SPECIFICATION	ASME B36.10M-1996 ASTM A106/A53 GR.B No Coating	DATE OF DELIVERY	20210717	CONTRACT NO.	G20035418
		CUSTOMER ORDER NO.		DATE OF ISSUE	20210717
		STAMP OF MILL INSPECTER	(Four)	LICENSE	XK05-108-001

O.D.	508.00	W.T.	10.00	Length Scope	6.00m--12.00m	Total Length		Total Bundles		Order Quantity.	42.13MT
Total pcs		Total Weight	42.13MT	Delivery Condition	As Rolled	Making Method		Hot Finished Seamless			

No.	Heat No.	*1	*2	Chemical Composition% C	Si	Mn	P	S	V	Ni	Cr	Mo	Cu	Nb	Lot No.	*3	*4	*5	Tensile Test G.L.=L1 Y.S. *6	T.S.	E.L.	HB	Impact Test *3	*4	*7	*8	1	2	3	AVG	Hardness Test	Microstructure	Grain size
				2	2	2	3	3	3	2	2	2	2	3																			
				1=X10, 2=X100, 3=X1000, 4=X10000, 5=X100000															MPa		%												
MIN				17	10	29	--	--	--	--	--	--	--	--					240	415	25	--											
MAX				22	--	135	50	58	30	40	40	15	40	10					--	585	--	197											
1	22808	C	H	18	15	71	21	20	18	18	20	7	15	6	34152	P			260	460	28.0	165											
2																P	2	1	270	465	28.5	170											
4																																	
5																	2	1															
6																																	
7																																	
8																																	
9																																	

E.T.	--	E.M.I.	--	U.T.	--	M.P.I.	--	W.T.Mesure	———% Coverage	Visual& Dimensions	Good	Coating	--	Drift Test	--		

Expansion	Ring Expansion	Ring Tensile	Flattening	Bending	Heat Treatment	NDT			
--	--	--	Good	--	--	Good			

NOTES	G.L.=Gauge Length L1=5.65 SQRT(F0) *1 Procese Continuous Casting *2 Chemical Composition H=Heat(Ladle) Analysis *3 Size 2= Strip T×20mm *5 Orientation 1= Longitudinal *6 = σs
REMARK	
SURVEYOR	WE HERE CERTIFY THAT THE MATERIAL. HEREIN DESCRIBED HAS BEEN MANUFACTURED, TESTED IN ACCORDANCE WITH ABOVE STANDARD AND SPECIFICATION AND SATISFIED THE REQUIRMENTS.

BAOSHAN IRON AND STEEL CO., LTD. Special seal for quality certificate

BAOSHAN IRON&STEEL CO.,LTD.

INSPECTION CERTIFICATE

3521TONGJI ROAD.BAOSHAN DISTRICT
201900 SHANGHAI.P.R.CHINA
TEL:(021)56782011 FAX:(021)56788269
HTTP:\\WWW.BAOSTEEL.COM\BSTIM

MAGOC02

CUSTOMER		PRODUCT	Steel pipe		
PURCHASER		CUSTOMER' S NO.	541526	CERTIFICATION NO.	T6358218
SPECIFICATION	ASME B36.10M-1996 ASTM A106/A53 GR.B No Coating	DATE OF DELIVERY	20210717	CONTRACT NO.	G20035339
		CUSTOMER ORDER NO.		DATE OF ISSUE	20210717
		STAMP OF MILL INSPECTER		LICENSE	XK05-108-001

O.D.	609.60	W.T.	10.00	Length Scope	6.00m--12.00m	Total Length	(Four)	Total Bundles		Order Quantity.	48.51MT
Total pcs		Total Weight	48.51MT	Delivery Condition	As Rolled	Making Method		Hot Finished Seamless			

No.	Heat No.	*1	*2	Chemical Composition% C	Si	Mn	P	S	V	Ni	Cr	Mo	Cu	Nb	Lot No.	*3	*4	*5	Tensile Test G.L.=L1 Y.S. *6	T.S.	E.L.	HB	Impact Test *3	*4	*7	*8	1	2	3	AVG	Hardness Test	Microstructure	Grain size
				2	2	2	3	3	3	2	2	2	2	3																			
				1=X10, 2=X100, 3=X1000, 4=X10000, 5=X100000															MPa		%												
MIN				17	10	29	--	--	--	--	--	--	--	--					240	415	25	--											
MAY				22	--	135	50	58	30	40	40	15	40	10					--	585	--	197											
1	22810	C	H	19	16	72	20	21	19	18	20	7	15	6	41852	P			265	465	28.0	165											
2																P	2	1	275	460	28.5	170											
4																																	
5																	2	1															
6																																	
7																																	
8																																	
9																																	

E.T.	--	E.M.I.	--	U.T.	--	M.P.I.	--	W.T.Mesure	———% Coverage	Visual& Dimensions	Good	Coating	--	Drift Test	--		

Expansion	Ring Expansion	Ring Tensile	Flattening	Bending	Heat Treatment	NDT			
--	--	--	Good	--	--	Good			

NOTES	G.L.=Gauge Length L1=5.65 SQRT(F0) *1 Procese Continuous Casting *2 Chemical Composition H=Heat(Ladle) Analysis *3 Size 2= Strip T×20mm *5 Orientation 1= Longitudinal *6 = σs
REMARK	
SURVEYOR	WE HERE CERTIFY THAT THE MATERIAL. HEREIN DESCRIBED HAS BEEN MANUFACTURED, TESTED IN ACCORDANCE WITH ABOVE STANDARD AND SPECIFICATION AND SATISFIED THE REQUIRMENTS.

BAOSHAN IRON AND STEEL CO. LTD. Special seal for quality certificate