

MILL TEST CERTIFICATE



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Certificate No : 1000265591
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 Certificate Date : 28.08.2022
 Inspection Certificate : EN 10204-3.1
 Sales Document : 10553524
 Shipment Number : 10000031624
 Vessel Name : MV ANTARCTIC OCEAN

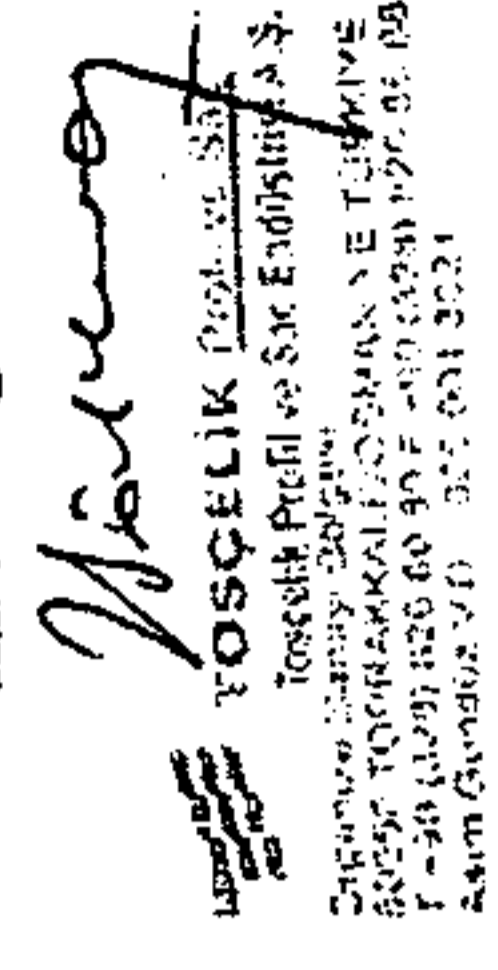
DESCRIPTION OF GOODS:
 ERW STEEL PIPE

ITEM	TYPE	SIZE	PACK NO	CAST NO	LOT NO	Chemical Analysis											Product Information				Mechanical Properties				Other Specifications			
						C	MN	P	S	CU	NI	CR	MO	V	PRODUCT NORM	STEEL GRADE	YS	TS	E	HT	VDC	B	FT	BD	EX	NDT		
251	BPEC	4"x0,337"x21'	MB05786572	2205560	25.506	0.1324	0.5021	0.0108	0.0084	0.3630	0.0988	0.1100	0.0237	0.0024	ASTM A53/ASME SA53	B	51188	72374	32,1	2800	G	G	G	G				
252	BPEC	4"x0,337"x21'	MB05786573	2205560	25.506	0.1324	0.5021	0.0108	0.0084	0.3630	0.0988	0.1100	0.0237	0.0024	ASTM A53/ASME SA53	B	51188	72374	32,1	2800	G	G	G	G				
253	BPEC	4"x0,337"x21'	MB05786579	2205560	25.506	0.1324	0.5021	0.0108	0.0084	0.3630	0.0988	0.1100	0.0237	0.0024	ASTM A53/ASME SA53	B	51188	72374	32,1	2800	G	G	G	G				
254	BPEC	4"x0,337"x21'	MB05786583	2205560	25.506	0.1324	0.5021	0.0108	0.0084	0.3630	0.0988	0.1100	0.0237	0.0024	ASTM A53/ASME SA53	B	51188	72374	32,1	2800	G	G	G	G				
255	BPEC	4"x0,337"x21'	MB05786584	2205560	25.506	0.1324	0.5021	0.0108	0.0084	0.3630	0.0988	0.1100	0.0237	0.0024	ASTM A53/ASME SA53	B	51188	72374	32,1	2800	G	G	G	G				
256	BPEC	4"x0,337"x21'	MB05786585	2205560	25.506	0.1324	0.5021	0.0108	0.0084	0.3630	0.0988	0.1100	0.0237	0.0024	ASTM A53/ASME SA53	B	51188	72374	32,1	2800	G	G	G	G				
257	BPEC	4"x0,337"x21'	MB05786603	2205560	25.506	0.1324	0.5021	0.0108	0.0084	0.3630	0.0988	0.1100	0.0237	0.0024	ASTM A53/ASME SA53	B	51188	72374	32,1	2800	G	G	G	G				
258	BPEC	4"x0,337"x21'	MB05786604	2205560	25.506	0.1294	0.7937	0.0082	0.0098	0.3079	0.1363	0.0860	0.0315	0.0012	ASTM A53/ASME SA53	B	45387	68748	35,1	2800	G	G	G	G				
259	BPEC	5"x0,375"x21'	MB05692770	2204873	25.506	0.1294	0.7937	0.0082	0.0098	0.3079	0.1363	0.0860	0.0315	0.0012	ASTM A53/ASME SA53	B	45387	68748	35,1	2800	G	G	G	G				
260	BPEC	5"x0,375"x21'	MB05692771	2204873	25.506	0.1294	0.7937	0.0082	0.0098	0.3079	0.1363	0.0860	0.0315	0.0012	ASTM A53/ASME SA53	B	45387	68748	35,1	2800	G	G	G	G				
261	BPEC	5"x0,375"x21'	MB05692772	2204873	25.506	0.1294	0.7937	0.0082	0.0098	0.3079	0.1363	0.0860	0.0315	0.0012	ASTM A53/ASME SA53	B	45387	68748	35,1	2800	G	G	G	G				
262	BPEC	5"x0,375"x21'	MB05692779	2204873	25.506	0.1294	0.7937	0.0082	0.0098	0.3079	0.1363	0.0860	0.0315	0.0012	ASTM A53/ASME SA53	B	45387	68748	35,1	2800	G	G	G	G				
263	BPEC	5"x0,375"x21'	MB05692780	2204873	25.506	0.1333	0.6266	0.0074	0.0069	0.3418	0.0813	0.0835	0.0222	0.0013	ASTM A53/ASME SA53	B	47863	69763	35,5	2800	G	G	G	G				
264	BPEC	5"x0,375"x21'	MB05804883	2205859	25.506	0.1333	0.6266	0.0074	0.0069	0.3418	0.0813	0.0835	0.0222	0.0013	ASTM A53/ASME SA53	B	47863	69763	35,5	2800	G	G	G	G				
265	BPEC	5"x0,375"x21'	MB05804886	2205859	25.506	0.1333	0.6266	0.0074	0.0069	0.3418	0.0813	0.0835	0.0222	0.0013	ASTM A53/ASME SA53	B	47863	69763	35,5	2800	G	G	G	G				
266	BPEC	5"x0,375"x21'	MB05804887	2205859	25.506	0.1333	0.6266	0.0074	0.0069	0.3418	0.0813	0.0835	0.0222	0.0013	ASTM A53/ASME SA53	B	47863	69763	35,5	2800	G	G	G	G				
267	BPEC	5"x0,375"x21'	MB05804888	2205859	25.506	0.1333	0.6266	0.0074	0.0069	0.3418	0.0813	0.0835	0.0222	0.0013	ASTM A53/ASME SA53	B	47863	69763	35,5	2800	G	G	G	G				
268	BPEC	5"x0,375"x21'	MB05804889	2205859	25.506	0.1333	0.6266	0.0074	0.0069	0.3418	0.0813	0.0835	0.0222	0.0013	ASTM A53/ASME SA53	B	47863	69763	35,5	2800	G	G	G	G				
269	BPEC	5"x0,375"x21'	MB05804891	2205859	25.506	0.1333	0.6266	0.0074	0.0069	0.3418	0.0813	0.0835	0.0222	0.0013	ASTM A53/ASME SA53	B	47863	69763	35,5	2800	G	G	G	G				
270	BPEC	5"x0,375"x21'	MB05804895	2205859	25.506	0.1333	0.6266	0.0074	0.0069	0.3418	0.0813	0.0835	0.0222	0.0013	ASTM A53/ASME SA53	B	47863	69763	35,5	2800	G	G	G	G				
271	BPEC	5"x0,375"x21'	MB05804896	2205859	25.506	0.1333	0.6266	0.0074	0.0069	0.3418	0.0813	0.0835	0.0222	0.0013	ASTM A53/ASME SA53	B	47863	69763	35,5	2800	G	G	G	G				
272	BPEC	5"x0,375"x21'	MB05804897	2205859	25.506	0.1333	0.6266	0.0074	0.0069	0.3418	0.0813	0.0835	0.0222	0.0013	ASTM A53/ASME SA53	B	47863	69763	35,5	2800	G	G	G	G				
273	BPEC	5"x0,375"x21'	MB05804898	2205859	25.506	0.1333	0.6266	0.0074	0.0069	0.3418	0.0813	0.0835	0.0222	0.0013	ASTM A53/ASME SA53	B	47863	69763	35,5	2800	G	G	G	G				
274	BPEC	5"x0,375"x21'	MB05805063	2205859	25.506	0.1333	0.6266	0.0074	0.0069	0.3418	0.0813	0.0835	0.0222	0.0013	ASTM A53/ASME SA53	B	47863	69763	35,5	2800	G	G	G	G				
275	BPEC	5"x0,375"x21'	MB05805065	2205859	25.506	0.1333	0.6266	0.0074	0.0069	0.3418	0.0813	0.0835	0.0222	0.0013	ASTM A53/ASME SA53	B	47863	69763	35,5	2800	G	G	G	G				

BPEC : PRIMER COATED GROOVED BLACK PLAN END PIPE
 BPEC : COATED BLACK PLAN END

YS : Yield Strength (psi)
 TS : Tensile Strength (psi)
 E : Elongation (%)
 HT : Hydrostatic Test (psi)
 HT TIME : Hydrostatic Examination
 NDT : Non Destructive Examination
 VDC : Dimensional Check
 EX : Expanding
 FT : Flattening
 BD : Bending
 B : Bevelend
 G : Good

APPROVED BY
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These results are certified by TOSÇELİK PROFİL VE SAC VE END. A.S. and compl with the requirements of the product description.
 The material contains no mercury and the lead content is less than 0.01% (0.0001).
 The material to which this MTR refers was manufactured in Turkey.
 Heat treatment has applied all GRB sizes which starts from 2".