



SILCOTUB SA

Quality and Service  
B.D. WERA VITEX SA  
4000 ZALAU  
ROMANIA

MILL TEST CERTIFICATE  
ACCORDING TO EN 10263-3.3

DATE: 11.04.2022 ORDER NO.: 0018439

SPECIFICATION: ASTM A 106/1098; ASTM A 573/586

BUYER: DUFERCO SA VIA RAQUETTI 8 4400 LUGANO SWITZERLAND	ORDER NO.: 0018439	SPECIFICATION: ASTM A 106/1098; ASTM A 573/586	MATERIAL: GRADE B	WAGGON NO.: SHIP BODY NO.: TULOCK NO.:
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No.	SIZE	HEAT NUMBER	NUMBER OF PIECES	NUMBER OF PIECES	LENGTH IN METERS	WEIGHT IN TON METRIC TON	ITEM	LOT
1	4" SCH 40 (114.30 x 6.02 mm)	99035	38	152			3	
		53744	57	38				
		99528	38	38				
		22348	38	38				
		22377	38	38				
		04342	38	38				

DESCRIPTION: 403 414 TM SEAMLESS PIPE A-53GR B SRL. OUTSIDE VARNISHED WITH BLACK LAQUER (DUFERCO REF. NO 189336)

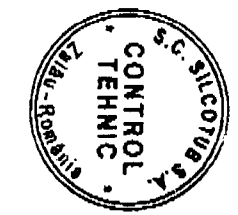
CHEMICAL COMPOSITION %

No.	HEAT	Sample no.	C	Mn	Si	P	S	Cr	Ni	Mo	Ca	V	OTHER TESTS	MECHANICAL PROPERTIES
1	99035	39157	0.145	0.241	0.318	0.011	0.015	0.098	0.124	0.027	0.298	0.001	Flaming	2210
	99035	39158	0.145	0.236	0.318	0.011	0.015	0.098	0.124	0.028	0.298	0.001	GOOD	2210
	53744	39155	0.198	0.592	0.222	0.013	0.009	0.137	0.134	0.011	0.193	0.002	GOOD	2210
	53744	39156	0.198	0.590	0.224	0.013	0.009	0.136	0.134	0.011	0.195	0.002	GOOD	2210
	99528	39165	0.162	0.560	0.312	0.023	0.017	0.150	0.130	0.025	0.267	0.002	GOOD	2210
	99528	39166	0.163	0.485	0.319	0.023	0.018	0.149	0.131	0.025	0.267	0.001	GOOD	2210
	22348	39167	0.089	0.479	0.290	0.022	0.019	0.152	0.095	0.023	0.246	0.001	GOOD	2210
	22348	39168	0.089	0.483	0.292	0.022	0.019	0.150	0.095	0.023	0.246	0.002	GOOD	2210
	22377	39169	0.105	0.467	0.263	0.022	0.019	0.151	0.094	0.023	0.251	0.002	GOOD	2210
	22377	39170	0.106	0.492	0.292	0.022	0.019	0.151	0.094	0.024	0.179	0.001	GOOD	2210
	04342	39171	0.145	0.590	0.269	0.008	0.005	0.067	0.101	0.024	0.179	0.001	GOOD	2210
	04342	39172	0.146	0.595	0.268	0.008	0.005	0.067	0.101	0.024	0.179	0.001	GOOD	2210

TEST SPECIMEN

No.	HEAT	Sample no.	Dimensions		Length	Tensile strength		Yield strength		Elongation		TEMP.	SHEAR
			inch x inch	inch <sup>2</sup>		Min.	Max.	Min.	Max.	Min.	Max.		
1	99035	39157	0.98 x 0.23	0.22	2.00	80000	71400	33000	47000	23.00	34.80		
	99035	39158	0.98 x 0.24	0.22	2.00	80000	71498	35000	48377	23.00	36.78		
	53744	39155	0.98 x 0.24	0.22	2.00	80000	69197	35000	44702	23.00	35.90		
	53744	39156	0.98 x 0.22	0.22	2.00	80000	68087	35000	46231	23.00	36.80		
	22348	39167	0.98 x 0.22	0.22	2.00	80000	63764	35000	44804	23.00	41.60		
	22377	39168	0.98 x 0.23	0.23	2.00	80000	68846	35000	43880	23.00	33.30		

SIGNATURE



QUALITY DEPT. CHIEF  
ING. TRIBUN BRUCEI

WE CERTIFY THAT THE MATERIAL HEREIN DESCRIBED HAS BEEN MANUFACTURED ACCORDING TO THE SPECIFICATION AND STANDARD AND CONFORMS TO THE RECORDS OF THE COMPANY