

MILL TEST CERTIFICATE
 ACCORDING TO EN 10254.1.8

DATE: 15.02.2022	ORDER NO.: PG. 003826	SPECIFICATION: ASTM A 193/MSR; ASTM A 193/MSR	SERIAL: GAUGE B	WAGON NO.: SWAG BODY NO.: TRUCK NO.:	NA: 3	PAGE: 3 OF 3
DUFRECO SA VIA SAULETTI 9 6800 LUZARD SWITZERLAND						

NO.	SIZE	HEAT NUMBER	NUMBER OF PIECES	NUMBER OF PIECES	LENGTH IN METERS	WEIGHT IN TON	NUMBER OF BUNDLES	ITEM	LOT
1	4" SCH 40 (114.30 x 6.02 mm)	98063	76	1301	8327.435	133.714	89	3	
		33718	55						
		98320	57						
		98318	78						

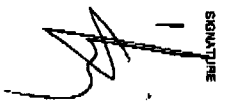
DESCRIPTION: 403414 T.M. SEAMLESS PIPE A-350R B SRL. OUTSIDE VARNISHED WITH BLACK LAKUER (DUFRECO REF. NO. 188330)

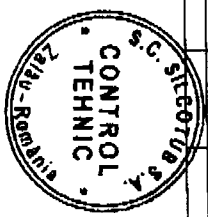
PRODUCT ANALYSES

No.	HEAT	Sample no.	CHEMICAL COMPOSITION %										OTHER TESTS					
			C	Mn	Si	P	S	Cr	Ni	Mo	Co	V	Flaming	Bending	Flaring	Hardness	Hidense	NONDESTRUCTIVE TEST
1	98063	38171	0.148	0.618	0.341	0.074	0.009	0.108	0.204	0.031	0.230	0.001	GOOD	-	-	-	2210	-
	98063	38172	0.148	0.621	0.338	0.074	0.008	0.107	0.203	0.031	0.230	0.001	GOOD	-	-	-	2210	-
2	33718	38153	0.177	0.808	0.328	0.074	0.016	0.141	0.138	0.071	0.208	0.002	GOOD	-	-	-	2210	-
	33718	38154	0.176	0.807	0.227	0.074	0.016	0.142	0.138	0.071	0.208	0.002	GOOD	-	-	-	2210	-
3	98320	38175	0.146	0.482	0.272	0.020	0.017	0.157	0.115	0.030	0.246	0.001	GOOD	-	-	-	2210	-
	98320	38176	0.146	0.481	0.271	0.020	0.017	0.158	0.115	0.030	0.246	0.001	GOOD	-	-	-	2210	-
4	98318	38173	0.138	0.575	0.247	0.008	0.011	0.285	0.232	0.047	0.201	0.002	GOOD	-	-	-	2210	-
	98318	38174	0.140	0.579	0.248	0.009	0.011	0.283	0.231	0.047	0.203	0.002	GOOD	-	-	-	2210	-

TEST SPECIFICATIONS

No.	HEAT	Sample no.	Dimensions Inch x Thick	Section Inch	Length Inch	TENSILE		TRACTION		EMBRITTLEMENT		CHARPY V-AUCTION			TEMP.	SHEAR
						Required	Max.	Required	Max.	Result	Required	Result	1	2		
1	98063	38171	0.98 x 0.22	0.22	2.00	60000	71200	35000	50356	23.00	33.30	1				
	98063	38153	0.98 x 0.22	0.28	2.00	80000	89589	35000	44955	23.00	33.30	1				
2	33718	38153	0.98 x 0.22	0.22	2.00	80000	71502	35000	45937	23.00	31.48	1				
	33718	38173	0.98 x 0.22	0.21	2.00	80000	88308	35000	48878	23.00	38.80	1				

SIGNATURE: 



QUALITY DEPT. CHIEF
 ING. TIBERIU ENOIA