



SILCOTUB SA

MILL TEST CERTIFICATE

ACCORDING TO EN 10264-1 B

Quality and Service
D.O. JERON VEREKENI NO. 13
4700 ZALAU
ROMANIA

DATE: 14.02.2008
ORDER NO.: PO.188540

SPECIFICATION:

ASTM A 108/109; ASTM A 83/99C

MATERIAL:

GRADE B

NO.:

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WAGON NO.:

SWAP BODY NO.:

TRUCK NO.:

BUYER: DUFERCO SA
VIA RAPOVITZ
POND LINGAID
SWITZERLAND

NO.	SIZE	HEAT NUMBER	NUMBER OF PIECES	NUMBER OF PIECES	LENGTH IN METERS	WEIGHT IN TON (NET WEIGHT)	NUMBER OF BUNDLES	ITEM	LOT
1	2" SCH 40 (60.30 x 3.81 mm)	34272	111	512	808.898	43.901	23	2	
		34275	348						
		22925	39						
		50176	286						

DESCRIPTION

TUBOS DE ACERO (SEAMLESS STEEL PIPES)
(DUFERCO REF. NO. 188540)

PRODUCT ANALYSES

No.	HEAT	Sample no.	CHEMICAL COMPOSITION %										OTHER TESTS			Hardness FBI	NONDESTRUCTIVE TEST	
			C	Mn	Si	P	S	Cr	Ni	Mo	Cu	V	Flaming	Bending	Flaring			Redness
1	34272	42274	0.161	0.552	0.252	0.011	0.014	0.071	0.104	0.009	0.181	0.001	-	GOOD	-	-	2800	-
	34272	42275	0.161	0.556	0.251	0.011	0.014	0.071	0.105	0.009	0.179	0.001	-	GOOD	-	-	2800	-
2	34275	42276	0.173	0.592	0.303	0.018	0.069	0.055	0.198	0.008	0.184	0.001	-	GOOD	-	-	2800	-
	34275	42277	0.174	0.548	0.281	0.016	0.069	0.055	0.198	0.008	0.195	0.001	-	GOOD	-	-	2800	-
3	22925	42386	0.172	0.564	0.281	0.014	0.011	0.108	0.092	0.008	0.200	0.001	-	GOOD	-	-	2300	-
	50176	39858	0.175	0.582	0.283	0.016	0.012	0.108	0.091	0.008	0.200	0.001	-	GOOD	-	-	2300	-
	50176	39859	0.175	0.580	0.283	0.016	0.010	0.104	0.099	0.011	0.148	0.002	-	GOOD	-	-	2300	-

MECHANICAL PROPERTIES

No.	HEAT	Sample no.	Dimensions Inch x Inch	Section Inch ²	Length Inch	TENSILE STRENGTH			YIELD STRENGTH			ELONGATION			TEMP.	SHEAR
						Required	Max.	Result	Required	Max.	Result	Required	Result	Average		
1	34272	42274	0.49 x 0.15	0.08	2.00	68000	76000	78873	35000	57000	20.00	26.70				
	34275	42276	0.49 x 0.16	0.08	2.00	69000	75982	75982	35000	58000	20.00	24.80				
2	22925	42388	0.50 x 0.15	0.08	2.00	69000	72085	72085	35000	50885	20.00	27.20				
3	50176	39858	0.51 x 0.15	0.07	2.00	69000										
4	50176	39859	0.51 x 0.15	0.07	2.00	69000										

1. CERTIFY THAT THE ABOVE LISTED INFORMATION IS A TRUE AND CORRECT REPRESENTATION OF THE TEST PERFORMANCE OF THE COMPANY

SIGNATURE

QUALITY DEPT. CHIEF
ING. TIBERLUCHEI

