



SILCOTUB SA

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MILL TEST CERTIFICATE

ACCORDING TO EN 10088-1.8

DATE 11.02.2004	ORDER NO. PO 08831	SPECIFICATION ASTM A 109/109M, ASTM A 578/580	MATERIAL GRADE B	NO. 7	PAGE 1 OF 1
BUYER: DUFERCO SA VIA BAGUTTI'S VIA LUIGIANO SANTERAMO		ASTM A 109/109M, ASTM A 578/580		WAGON NO.:	SWAP BODY NO.:
				TRUCK NO.:	

NO.	SIZE	HEAT NUMBER	NO OF PIECES	TOTAL PIECES	LENGTH IN METERS	TOURAGE MT	NO OF ROLLS	ITEM	LOT
1	2 1/2" SCH80 (73.00 x 7.01 mm)	13510	128	238	2832.000	32.283	18	1	
		13523							

SEAMLESS STEEL PIPES MADE ACC. TO DUFERCO PO 108331 (DUFERCO REF. NO. 108331)

PRODUCT ANALYSES

No.	HEAT	Sample no.	CHEMICAL COMPOSITION %										OTHER TESTS					
			C	Mn	Si	P	S	Cr	NI	Mo	Cu	V	Fracturing	Banding	Flaring	Hardness	Hydrostatic Test	Non-destructive test
1	13510	41460	0.048	0.736	0.226	0.014	0.004	0.067	0.080	0.005	0.140	0.001	GOOD	-	-	-	2500	-
	13510	41481	0.048	0.728	0.227	0.014	0.004	0.066	0.089	0.085	0.141	0.001	GOOD	-	-	-	2500	-
2	13523	41456	0.100	0.785	0.215	0.014	0.005	0.046	0.148	0.089	0.182	0.001	GOOD	-	-	-	2500	-
	13523	41459	0.089	0.772	0.217	0.014	0.005	0.049	0.148	0.085	0.182	0.001	GOOD	-	-	-	2500	-

MECHANICAL PROPERTIES

No.	HEAT	Sample no.	Dimensions high x thick	Section width	Length inch	TENSILE		YIELD STRENGTH		ELONGATION		CHARPY V-ACTION			TEMP.	SHEAR
						Min.	Max.	Min.	Max.	Result PSI	Required PSI	Min.	Max.	Result PSI		
1	13510	41460	0.78 x 0.30	0.23	2.00	60000	60000	64141	35000	45401	23.00	37.00				
2	13523	41458	0.77 x 0.31	0.24	2.00	60000	60000	63777	35000	44233	23.00	38.00				

COMPLY THAT THE MATERIAL HERE REPRESENTED HAS BEEN MANUFACTURED WITH THE QUALITY CONTROL SYSTEM IN ACCORDANCE WITH THE REQUIREMENTS OF THE DRAWING

SIGNATURE

QUALITY DEPT. CHIEF  
P.B. TIBERIU ERDŐ

