



Quantity and Service
 S.C. SILCOTUB SA
 4700 ZALAU
 ROMANIA

SILCOTUB SA

MILL TEST CERTIFICATE
 ACCORDING TO EN 10204-1.3



DATE: 11.06.2002	ORDER NO. PO 01830	SPECIFICATION: ASTM A 182/1990-ASTM A 182/1990	MATERIAL: GRADE B	WAGON NO.: SWAY BODY NO.: TRUCK NO.:	No. 1	PAGE 1 OF 1
BUYER: BUTRIGIO SA VIA BRADUTI 3 4600 LUZIANO SINTEZELAND						

No.	DESCRIPTION	HEAT NUMBER	NUMBER OF PIECES	NUMBER OF PILES	LENGTH IN METERS	WEIGHT IN TON (NET WT)	NUMBER OF PENCILS	TEMP	LOT
1	2" SCH 40 (90.30 x 3.81 mm)	33731	378	1231	12128.520	83.883	32	1	
		33714		286					
		33713							

40x414 TM SEAMLESS PIPE A-33GR B SRL. OUTSIDE VARNISHED WITH BLACK LAQUER
 (IDURENDO REF. NO. 188330)

No.	HEAT	Sample no.	CHEMICAL COMPOSITION %										PRODUCT ANALYSES			OTHER TESTS			Hydraulic PSI	NONDESTRUCTIVE TEST
			C	Mn	Si	P	S	Cr	Mo	Al	Fe	Cl	V	Freezing	Harding	Flaring	Hardness	TEMP.		
1	33731	39880	0.194	0.525	0.228	0.013	0.005	0.111	0.114	0.005	0.787	0.001							2800	
	33731	39881	0.194	0.521	0.227	0.013	0.005	0.111	0.114	0.005	0.787	0.001							2800	
	33714	39884	0.212	0.524	0.233	0.016	0.006	0.141	0.125	0.006	0.781	0.001							2500	
2	33714	39885	0.212	0.521	0.235	0.016	0.006	0.138	0.128	0.005	0.781	0.001							2500	
3	33714	39888	0.217	0.499	0.218	0.017	0.004	0.130	0.121	0.005	0.774	0.001							2500	
	33714	39889	0.201	0.507	0.217	0.018	0.006	0.138	0.125	0.005	0.775	0.001							2500	
4	33714	39873	0.201	0.512	0.218	0.018	0.006	0.138	0.122	0.005	0.775	0.001							2500	
	33713	39888	0.210	0.478	0.225	0.009	0.005	0.096	0.106	0.006	0.778	0.001							2500	
5	33713	39889	0.211	0.481	0.227	0.009	0.005	0.097	0.108	0.006	0.777	0.001							2500	

No.	HEAT	Sample no.	TEST FOR ECHNER			MECHANICAL PROPERTIES			TRACTION			ELONGATION			QUALITY FACTOR			TEMP.	SHEAR
			Denomination Inch x Inch	Section Inch ²	Length Inch	Yield Strength Min.	Required Min.	Result PSI	Yield Strength Max.	Required Max.	Result PSI	Elongation Min.	Required Min.	Result %	1	2	3		
1	33731	39880	0.78 x 0.15	0.12	2.00	68000	68000	4227	20.00	28.40									
2	33714	39884	0.78 x 0.15	0.12	2.00	68000	68000	5007	20.00	30.20									
3	33714	39885	0.78 x 0.15	0.12	2.00	68000	68000	5184	20.00	26.50									
4	33714	39872	0.78 x 0.15	0.12	2.00	68000	68000	54519	20.00	27.40									
5	33713	39888	0.78 x 0.15	0.12	2.00	68000	68000	4870	20.00	27.80									

QUALITY DEPT. CHIEF
 INC. TIBERIU BRDET

