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turozzi fratelli 

Raccordi in acciaio per impianti ad alta pressione
Steel fittings for high pressure plants

CLIENTE / Purchaser SAMIC SRL ORDINE / Order VARI		CERTIFICATO DI COLLAUDO Works certificate EN 10204 3.1.B N. 10378 DEL 03/05/2002		Foglio / Sheet 1
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ITEM Item	QUANTITÀ Quantity	DESCRIZIONE / Description	COLATA Heat	MATERIALE Material	CERTIF. ORIG. Mat. certif.	ACCIAIERIA / FORNITORE Steel plant / Supplier
16	1	ELBOW 90° 1/2 3000 SW F22	010430RD128RU	A102 F22	2623/2327	SIDER SCAL
20	20	ELBOW 90° 1/2 3000 SW F316L	121019	A102 F316L/316	18082/2832	UCINE SAVOIE
21	15	ELBOW 90° 1.1/2 3000 SW F316L	23446	A102 F316L/316	939/2879	ACC. VALDRUNA
22	5	COUPLING 3/4 3000 NPT A105	72454	A105	31708.9NH	PAPANI ACC.
23	50	HALF COUPLING 1/2 3000 SW A105	73216	A105	110/755.1	M.M.B.
24	1	COUPLING 3/4 3000 SW A105	751318	A105	1371/714.1	M.M.B.
25	22	COUPLING 1 3000 SW A105	73528	A105	8969/756.1	I.N.S.
26	12	COUPLING 1.1/2 3000 SW A105	108764	A105	15653/2794	ACC. VALDRUNA
27	6	COUPLING 2 3000 SW A105	41259	A105	12151/2611	LUCCINI

ANALISI CHIMICA - Chemical Analysis

COLATA Heat	C %	Mn %	Si %	P %	S %	Ni %	Cr %	Mo %	Ti %	V %	Cu %	Al %	Nb %	N %	%	%	C.E. %
50434	0.113	0.51	0.27	0.014	0.008	2.28	0.240										
121019	0.023	1.33	0.54	0.030	0.027	11.04	16.68	2.090						0.029			
23446	0.012	1.52	0.47	0.028	0.027	10.12	16.83	2.020						0.070			
72454	0.180	0.97	0.18	0.028	0.020	0.07	0.05	0.010		0.002	0.228	0.005	0.001				0.38
73216	0.180	0.88	0.20	0.010	0.009	0.08	0.06	0.010		0.001	0.180	0.012	0.002				0.36
751318	0.185	0.87	0.26	0.009	0.014	0.04	0.06	0.010		0.002	0.126	0.005	0.001				0.35
73528	0.205	1.05	0.22	0.013	0.014	0.05	0.07	0.010		0.020	0.160	0.005	0.001				0.41
108764	0.186	1.01	0.22	0.009	0.008	0.12	0.08	0.026		0.001	0.226	0.039	0.002				0.40
41259	0.170	1.10	0.23	0.010	0.004	0.03	0.11	0.004		0.002	0.011	0.027	0.003				0.38

CARATTERISTICHE MECCANICHE - Mechanical Test

COLATA Heat	R Tensile Strength N/mm²	S Yield Point N/mm²	A:2" Elongation %	C Reduction of area %	Bending Test	Flattening Test	Hydraulic Test	HB Hardness test	K Impact test J	Temp. °C	STATO DI FORNIT. (TRATT. TERM.) Supply cond. (heat treatment)	TEMP. °C	NOTE Remarks
50434	590	447	26.0	78.0				180 182			NORM. & TEMPERED	730	
121019	595	280	58.0	70.0							SOL. HEAT TREAT.	1050	
23446	574	258	67.0	77.0							SOL. HEAT TREAT.	1060	
72454	511	317	32.7	57.0				152 154					
73216	499	342	30.0	57.0				146 149					
751318	501	311	33.3	58.2				152 152					
73528	540	333	55.1	63.0				166 166					
108764	538	385	25.0	65.0				158 158					
41259	508	337	28.2	55.3				152 152					

NATURA DEL MATERIALE / Kind of material Acciaio elaborato al forno elettrico Steel made by electric furnace	NOTE / Remarks
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COLLAUDI INTERNA / Works inspection Visivo/Dimensionale Visual/Dimensional	RISULT. / Result O.K. O.K.	COLLAUDI SUPPLEMENTARI / Supplementary tests	RISULT. / Result
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I VALORI CHIMICI E MECCANICI RIPORTATI NEL PRESENTE CERTIFICATO SONO QUELLI DICHIARATI NEI RELATIVI CERTIFICATI DI ACCIAIERIA E/O CERTIFICATI DI PROVE DEL FORNITORE.
Chemical and mechanical values indicated in this certificate are those stated in the relevant mill certificate and/or supplier's test certificate.

ENTE COLLAUDATORE / Inspection agency

RESPONSABILE QUALITÀ / Quality Manager

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