

QuarterTurn

RESOURCES INC.



P.O. Box 1455
Ponca City, OK 74602
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QTR WO: Q29942-3
F-580-026, R7

CERTIFICATE OF CONFORMANCE

Customer: ARS Global PO#: 6

Description: 3" 900# WE (XH) Fig 54 Delta Ball Valve, L/O

Quantity: 13-22 of 22 S/N(s): V4015900451, 0459,0452
C07F01A004391, 4393, 4394, 4395
C07F01A005421, 5423, 5424, 5425

THE EQUIPMENT LISTED ABOVE CONFORMS TO THE FOLLOWING:

API-6D (X) NACE MR-0175; (X) Fire-Safe per (X)
Part 1 & 2 API 6FA

We certify that the material listed above has been manufactured and tested in accordance with API 6D, Valvitalia standards, and customer purchase order requirements. Material listed has successfully passed all mandatory test and meets supplemental requirements as noted above.

Michael Carson
Quality Assurance Manager

Date: 3/10/22

Ying Liu Madinery

MATERIAL CERTIFICATE

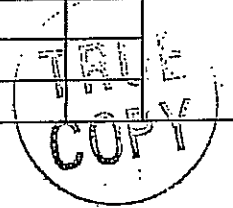
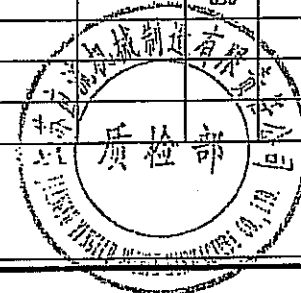
材料 Standard Material: ASTM LF2 等级 Grade: 1				供应商 Supplier: 执行标准 Carry out the standard: ASTM		According: EN10204 Type: 3.1				Certificate NO.003									
订单号 P.O. NO.	料号 Component Code	炉号 Heat NO.	材料 Material	Items of test Specification		测试范围 Test Specimen			强度测试 Tension Test				弯曲测试 Bend Test		冲击测试 Impact Test				硬度 Harden
				Temp. ℃	Length mm	Dia mm	Tensile Mpa	Yield Mpa	Elong. %	Red. %	Radius mm	Angle mm	Avg28/Min22						
													(-46℃)						
P0700150	CP021U01SD4G	H7006	LF2	210	210	20	50	12.5	564	345	26	54			30	30	32	30.66	149
P0700150	CP029000D4G	H7007	LF2	35	35	20	50	12.5	570	352	27	59			29	28	29	28.66	154
P0700150	CP031U01SD4G	H7008	LF2	45	45	20	50	12.5	569	350	25	58			30	30	32	30.66	152
P0700150	CP039000SD4G	H7009	LF2	30	30	20	50	12.5	568	351	26	56			29	28	29	28.66	150
P0700150	CP041U01SD4G	H7010	LF2	160	160	20	50	12.5	566	347	25	55			30	30	32	30.66	149
P0700150	CP049U000SD4G	H7012	LF2	50	50	20	50	12.5	567	348	24	58			29	28	29	28.66	148
订单号 P.O. NO.	料号 Component Code	炉号 Heat NO.	材料 Material	化学成分 Chemical Properties(%)										热处理 Heat Treatment			Remarks 备注		
				C	Mn	P	S	Ni	Cr	Si	Mo	V	Cu	-	-	温度 Temp		Maintain Time	冷却 Cooling
				<0.23	0.60-1.35	<0.035	<0.020	<0.40	<0.30	0.15-0.30	<0.12	<0.05	<0.40	-	-				
P0700150	CP021U01SD4G	H7006	LF2	0.2	0.85	0.013	0.007	0.02	0.02	0.27	0.05	0.001	0.01			920	4	水冷 Water cooled	
P0700150	CP029000D4G	H7007	LF2	0.21	0.84	0.012	0.006	0.01	0.01	0.26	0.04	0.002	0.02			650	3	空冷 Air cooled	
P0700150	CP031U01SD4G	H7008	LF2	0.22	0.84	0.013	0.005	0.02	0.01	0.27	0.05	0.002	0.01						
P0700150	CP039000SD4G	H7009	LF2	0.24	0.85	0.013	0.007	0.02	0.02	0.27	0.05	0.001	0.01						
P0700150	CP041U01SD4G	H7010	LF2	0.21	0.84	0.014	0.005	0.03	0.02	0.28	0.06	0.001	0.02						
P0700150	CP049U000SD4G	H7012	LF2	0.2	0.85	0.014	0.007	0.03	0.02	0.27	0.05	0.001	0.01						

Date: 07.10.15

Inspected:

检 11

Check:



SUZHOU DONGWU FORGING AND WELDING PLANT

MATERIAL CERTIFICATION

PO: P0700145

Conforms to DIN 50049.3.1& BS EN 10204.3.1 B

QTY: 495Pcs

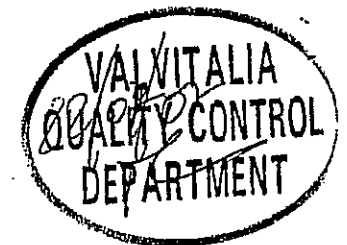
CUSTOMER NAME					VALVIATLIA					HEAT		QUENCHED		QUENCHED		TEMPERED		CERT. NO.		070709						
SPECIFICATION					ASTM A350 LF2					TREATMENT		900℃		IN WATER		650℃		CERT. DATE		July 9,2007						
Item No.	Forging Logo.	Heat No.	QTY	Part No.	Desc.	Chemical Composition (%)										Mechanical Properties										
																			Yield	Tensile	EL2	Roa	HB	Impact		
						C	Mn	Si	S	P	Cr*	Mo*	Ni*	Cu*	V*	Nb*	CE	(MPa)	(MPa)	(%)	(%)		(J @-46℃)			
						Min.		0.60	0.15										275	485	22	30		28(A)/22(S)		
Max.	0.21	1.35	0.30	0.040	0.035	0.30	0.12	0.40	0.40	0.05	0.02	0.42		655				190								
46	DW	7E428	30	CW021U00D6G	Cap	0.19	0.88	0.22	0.010	0.023	0.10	0.001	0.052	0.12	0.007	0.014	0.37	416	550	34	74	164	200	200	176	
47	DW	7E428	10	CW021U00D6G	Cap	0.19	0.88	0.22	0.010	0.023	0.10	0.001	0.052	0.12	0.007	0.014	0.37	416	550	34	74	164	200	200	176	
48	DW	7E428	40	CW029U00D6G	Cap	0.19	0.88	0.22	0.010	0.023	0.10	0.001	0.052	0.12	0.007	0.014	0.37	416	550	34	74	164	200	200	176	
49	DW	7E428	5	CW029U00D6G	Cap	0.19	0.88	0.22	0.010	0.023	0.10	0.001	0.052	0.12	0.007	0.014	0.37	416	550	34	74	164	200	200	176	
50	DW	7E428	30	CW036U00D6G	Cap	0.19	0.88	0.22	0.010	0.023	0.10	0.001	0.052	0.12	0.007	0.014	0.37	416	550	34	74	164	200	200	176	
51	DW	7E428	10	CW039U00D6G	Cap	0.19	0.88	0.22	0.010	0.023	0.10	0.001	0.052	0.12	0.007	0.014	0.37	416	550	34	74	164	200	200	176	
52	DW	7E428	30	CW041U00D6G	Cap	0.19	0.88	0.22	0.010	0.023	0.10	0.001	0.052	0.12	0.007	0.014	0.37	416	550	34	74	164	200	200	176	
53	DW	7E428	100	CW046U00D6G	Cap	0.19	0.88	0.22	0.010	0.023	0.10	0.001	0.052	0.12	0.007	0.014	0.37	416	550	34	74	164	200	200	176	
54	DW	7E428	30	CW046U00D6G	Cap	0.19	0.88	0.22	0.010	0.023	0.10	0.001	0.052	0.12	0.007	0.014	0.37	416	550	34	74	164	200	200	176	
55	DW	7E428	20	CW049U00D6G	Cap	0.19	0.88	0.22	0.010	0.023	0.10	0.001	0.052	0.12	0.007	0.014	0.37	416	550	34	74	164	200	200	176	
56	DW	7E428	30	CW061U00D6G	Cap	0.19	0.88	0.22	0.010	0.023	0.10	0.001	0.052	0.12	0.007	0.014	0.37	416	550	34	74	164	200	200	176	
57	DW	7E428	50	CW066U00D6G	Cap	0.19	0.88	0.22	0.010	0.023	0.10	0.001	0.052	0.12	0.007	0.014	0.37	416	550	34	74	164	200	200	176	
58	DW	7E428	30	CW066U00D6G	Cap	0.19	0.88	0.22	0.010	0.023	0.10	0.001	0.052	0.12	0.007	0.014	0.37	416	550	34	74	164	200	200	176	
59	DW	7E428	50	CW086U00D6G	Cap	0.19	0.88	0.22	0.010	0.023	0.10	0.001	0.052	0.12	0.007	0.014	0.37	416	550	34	74	164	200	200	176	
60	DW	7E428	30	CW086U00D6G	Cap	0.19	0.88	0.22	0.010	0.023	0.10	0.001	0.052	0.12	0.007	0.014	0.37	416	550	34	74	164	200	200	176	

QUALITY INSPECTOR:

Xiao Tianfa

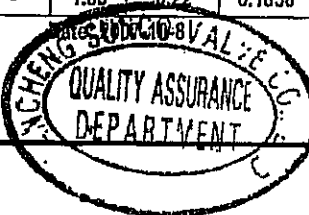
QUALITY MANAGER:

Xiao Jie



English Supplier Name

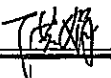
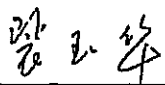
MATERIAL CERTIFICATE

材料 Standard Material: 42CrMo4 等级 Grade: 1						供应商 Supplier: YANCHENG SUNCO VALVE CO., LTD 执行标准 Carry out the standard: AISI 4140						According: EN10204 Type: 3.1				Certificate NO. SK20070026				
订单号 P.O. NO.	料号 Component Code	炉号 Heat NO.	材料 Material	Items of test Specification		测试范围 Test Specimen			强度测试 Tension Test				弯曲测试 Bend Test		冲击测试 Impact Test				硬度 Hardness	
						Temp.	Length	Dia	Tesile	Yield	Elon.	Red.	Radius	Angle						
				°C	mm	mm	Mpa	Mpa	%	%	mm	mm	N/A				HB			
				P.O. Qty	Delivery Qty				>677	>520	>11	>45	-	-					<237	
PO700219	ST039U00	K5455	42CrMo4	60	30		25	66	10	1120	978	12	53	-	-	-	-	-	-	190
	ST041U00	K5455		320	10		25	66	10	1120	978	12	53	-	-	-	-	-	-	190
	ST069U00	K0766		15	15		25	66	10	1150	995	16	55	-	-	-	-	-	-	189
	ST081U00	K0766		270	25		25	66	10	1150	995	16	55	-	-	-	-	-	-	189
	ST101U00	K0766		170	55		25	66	10	1150	995	16	55	-	-	-	-	-	-	189
	ST121U00	K0766		280	280		25	66	10	1150	995	16	55	-	-	-	-	-	-	189
	ST129U00	K0823		60	60		25	66	10	1160	1010	18	59	-	-	-	-	-	-	187
订单号 P.O. NO.	料号 Component Code	炉号 Heat NO.	材料 Material	化学成分 Chemical Properties (%)										热处理 Heat Treatment			Remarks 备注			
				C	Mn	P	S	NI	Cr	Si	Mo	V	Cu	-	-	淬火+回火 Quenching Tempering				
				0.38-0.45	0.60-0.90	<0.035	<0.035	-	0.90-1.2	<0.40	0.15-0.25	-	-	-	-					
PO700219	ST039U00	K5455	42CrMo4	0.41	0.70	0.009	0.003	-	1.04	0.25	0.1713	-	-	-	-	温度 Temp	Maintain Time	冷却 Cooling		
	ST041U00	K5455		0.41	0.70	0.009	0.003	-	1.04	0.25	0.1713	-	-	-	-	-	-			
	ST069U00	K0766		0.40	0.66	0.025	0.001	-	1.05	0.23	0.1458	-	-	-	-	815-857	1h	水冷 Water cooled		
	ST081U00	K0766		0.40	0.66	0.025	0.001	-	1.05	0.23	0.1458	-	-	-	-	650-680	2h	空冷 Air cooled		
	ST101U00	K0766		0.40	0.66	0.025	0.001	-	1.05	0.23	0.1458	-	-	-	-					
	ST121U00	K0766		0.40	0.66	0.025	0.001	-	1.05	0.23	0.1458	-	-	-	-					
	ST129U00	K0823		0.41	0.67	0.020	0.007	-	1.03	0.22	0.1858	-	-	-	-					
Inspected: <u>王兴娟</u>												Check: <u>张王华</u>								

English Supplier Name

MATERIAL CERTIFICATE

材料 Standard Material: A350 LF2 等级 Grade: 1						供应商 Supplier: YANCHENG SUNCO VALVE CO., LTD 执行标准 Carry out the standard: ASTM						According: EN10204 Type: 3.1				Certificate NO. SK20070034				
订单号 P.O. NO.	料号 Component Code	炉号 Heat NO.	材料 Material	Items of test		测试范围 Test Specimen			强度测试 Tension Test				弯曲测试 Bend Test		冲击测试 Impact Test				硬度 Hardness	
				Specification	P.O. Qty	Delivery Qty	Temp. °C	Length mm	Dia mm	Tensile Mpa	Yield Mpa	Elon. %	Red. %	Radius mm	Angle mm	Avg28/Min22				
																(-46°C)				
PO700311	FP031U00	K0718	LF2		60	60	25	66	10	531	386	31	68	-	-	45	46	48	-	153
	FP061U00	K0718			30	30	25	66	10	531	386	31	68	-	-	45	46	48	-	153
	FP081U00	K3478V			35	35	25	66	10	565	385	35.5	68.5	-	-	45	46	48	-	151
订单号 P.O. NO.	料号 Component Code	炉号 Heat NO.	材料 Material	化学成分 Chemical Properties (%)												热处理 Heat Treatment			Remarks 备注	
				C	Mn	P	S	Ni	Cr	Si	Mo	V	Cu	N	-	正火 Normalizing				
				<0.23	0.60-1.35	<0.035	<0.020	<0.40	<0.30	0.15-0.30	<0.12	<0.05	<0.40	-	-					
PO700311	FP031U00	K0718	LF2	0.21	0.66	0.020	0.006	0.01	0.03	0.25	0.0047	0.004	0.02	-	-	温度 Temp	Maintain Time	冷却 Cooling		
	FP061U00	K0718		0.21	0.66	0.020	0.006	0.01	0.03	0.25	0.0047	0.004	0.02	-	-	860-880	-	水冷 Water cooled		
	FP081U00	K3478V		0.20	0.93	0.013	0.005	0.05	0.08	0.20	0.002	0.001	0.14	-	-	-	-	空冷 Air cooled		

Inspected: Check: 

Ying Liu Madinery

MATERIAL CERTIFICATE

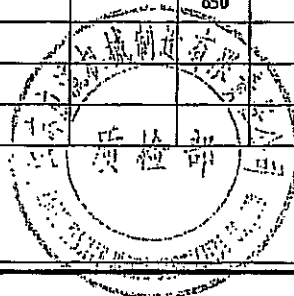
材料 Standard Material: ASTM LF2 等级 Grade: 1						供应商 Supplier: 执行标准 Carry out the standard: ASTM				According: EN10204 Type: 3.1						Certificate NO.003				
订单号 P.O. NO.	料号 Component Code	炉号 Heat NO.	材料 Material	Items of test Specification		测试范围 Test Specimen			强度测试 Tension Test				弯曲测试 Bend Test		冲击测试 Impact Test				硬度 Harden HB	
				P.O. Qty	Delivery Qty	Temp.	Length	Dia	Tesile	Yield	Elon.	Red.	Radius	Angle	Avg28/Min22					
						°C	mm	mm	Mpa	Mpa	%	%	mm	mm	(-46°C)					
P0700150	CP021U01SD4G	H7006	LF2	210	210	20	50	12.5	564	345	26	54			30	30	32	30.66	149	
P0700150	CP029000D4G	H7007	LF2	35	35	20	50	12.5	570	352	27	59			29	28	29	28.66	154	
P0700150	CP031U01SD4G	H7008	LF2	45	45	20	50	12.5	569	350	25	58			30	30	32	30.66	152	
P0700150	CP039000SD4G	H7009	LF2	30	30	20	50	12.5	568	351	26	56			29	28	29	28.66	150	
P0700150	CP041U01SD4G	H7010	LF2	150	150	20	50	12.5	566	347	25	55			30	30	32	30.66	140	
P0700150	CP049U000SD4G	H7012	LF2	50	50	20	50	12.5	567	348	24	58			29	28	29	28.66	148	
化学成分 Chemical Properties (%)																				
订单号 P.O. NO.	料号 Component Code	炉号 Heat NO.	材料 Material	C	Mn	P	S	Ni	Cr	Si	Mo	V	Cu	-	-	热处理 Heat Treatment				Remarks 备注
				<0.23	0.60-1.35	<0.035	<0.020	<0.40	<0.30	0.15-0.30	<0.12	<0.05	<0.40	-	-	淬火+回火 Quenching+Tempering				
P0700150	CP021U01SD4G	H7006	LF2	0.2	0.85	0.013	0.007	0.02	0.02	0.27	0.05	0.001	0.01			温度 Temp	Maintain Time	冷却 Cooling		
P0700150	CP029000D4G	H7007	LF2	0.21	0.84	0.012	0.005	0.01	0.01	0.26	0.04	0.002	0.02							
P0700150	CP031U01SD4G	H7008	LF2	0.22	0.84	0.013	0.005	0.02	0.01	0.27	0.05	0.002	0.01			920	4	水冷 Water cooled		
P0700150	CP039000SD4G	H7009	LF2	0.24	0.85	0.013	0.007	0.02	0.02	0.27	0.05	0.001	0.01			650	3	空冷 Air cooled		
P0700150	CP041U01SD4G	H7010	LF2	0.21	0.84	0.014	0.005	0.03	0.02	0.28	0.06	0.001	0.02							
P0700150	CP049U000SD4G	H7012	LF2	0.2	0.85	0.014	0.007	0.03	0.02	0.27	0.05	0.001	0.01							

Date: 07.10.15

Inspected:

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Check:



PO: P0700146

Conforms to DIN 50049.3.1 & BS EN 10204.3.1 B

QTY:200 Pcs

[illegible]**QUALITY INSPECTOR:**

Xiao Tianfa

QUALITY MANAGER:

Xiao Jie

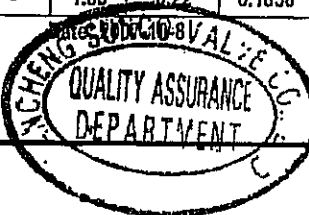


English Supplier Name

MATERIAL CERTIFICATE

材料 Standard Material: 42CrMo4 等级 Grade: 1						供应商 Supplier: YANCHENG SUNCO VALVE CO., LTD 执行标准 Carry out the standard: AISI 4140						According: EN10204 Type: 3.1				Certificate NO. SK20070026				
订单号 P.O. NO.	料号 Component Code	炉号 Heat NO.	材料 Material	Items of test Specification		测试范围 Test Specimen			强度测试 Tension Test				弯曲测试 Bend Test		冲击测试 Impact Test				硬度 Hardness	
						Temp. °C	Length mm	Dia mm	Tesile Mpa	Yield Mpa	Elon. %	Red. %	Radius mm	Angle mm						
				P.O. Qty	Delivery Qty															
PO700219	ST039U00	K5455	42CrMo4	60	30		25	66	10	1120	978	12	53	-	-	-	-	-	-	190
	ST041U00	K5455		320	10		25	66	10	1120	978	12	53	-	-	-	-	-	190	
	ST069U00	K0766		15	15		25	66	10	1150	995	16	55	-	-	-	-	-	189	
	ST081U00	K0766		270	25		25	66	10	1150	995	16	55	-	-	-	-	-	189	
	ST101U00	K0766		170	55		25	66	10	1150	995	16	55	-	-	-	-	-	189	
	ST121U00	K0766		280	280		25	66	10	1150	995	16	55	-	-	-	-	-	189	
	ST129U00	K0823		60	60		25	66	10	1160	1010	18	59	-	-	-	-	-	187	
订单号 P.O. NO.	料号 Component Code	炉号 Heat NO.	材料 Material	化学成分 Chemical Properties (%)										热处理 Heat Treatment			Remarks 备注			
				C	Mn	P	S	NI	Cr	Si	Mo	V	Cu	-	-	温度 Temp		Maintain Time	冷却 Cooling	
				0.38-0.45	0.60-0.90	<0.035	<0.035	-	0.90-1.2	<0.40	0.15-0.25	-	-	-	-					
PO700219	ST039U00	K5455	42CrMo4	0.41	0.70	0.009	0.003	-	1.04	0.25	0.1713	-	-	-	-	-	-	-	-	-
	ST041U00	K5455		0.41	0.70	0.009	0.003	-	1.04	0.25	0.1713	-	-	-	-	-	-	-	-	
	ST069U00	K0766		0.40	0.66	0.025	0.001	-	1.05	0.23	0.1458	-	-	-	-	815-857	1h	水冷 Water cooled		
	ST081U00	K0766		0.40	0.66	0.025	0.001	-	1.05	0.23	0.1458	-	-	-	-	650-680	2h	空冷 Air cooled		
	ST101U00	K0766		0.40	0.66	0.025	0.001	-	1.05	0.23	0.1458	-	-	-	-					
	ST121U00	K0766		0.40	0.66	0.025	0.001	-	1.05	0.23	0.1458	-	-	-	-					
	ST129U00	K0823		0.41	0.67	0.020	0.007	-	1.03	0.22	0.1858	-	-	-	-					

Inspected: 丁兴娟

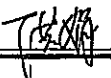
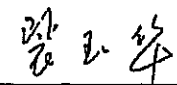


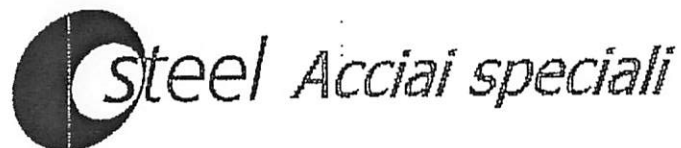
Check: 张王华

English Supplier Name

MATERIAL CERTIFICATE

材料 Standard Material: A350 LF2 等级 Grade: 1										供应商 Supplier: YANCHENG SUNCO VALVE CO., LTD 执行标准 Carry out the standard: ASTM				According: EN10204 Type: 3.1				Certificate NO. SK20070034		
订单号 P.O. NO.	料号 Component Code	炉号 Heat NO.	材料 Material	Items of test		测试范围 Test Specimen			强度测试 Tension Test				弯曲测试 Bend Test		冲击测试 Impact Test				硬度 Hardness	
				Specification	P.O. Qty	Delivery Qty	Temp. °C	Length mm	Dia mm	Tensile Mpa	Yield Mpa	Elon. %	Red. %	Radius mm	Angle mm	Avg28/Min22				
																(-46°C)				
PO700311	FP031U00	K0718	LF2		60	60	25	66	10	531	386	31	68	-	-	45	46	48	-	153
	FP061U00	K0718			30	30	25	66	10	531	386	31	68	-	-	45	46	48	-	153
	FP081U00	K3478V			35	35	25	66	10	565	385	35.5	68.5	-	-	45	46	48	-	151
订单号 P.O. NO.	料号 Component Code	炉号 Heat NO.	材料 Material	化学成分 Chemical Properties (%)												热处理 Heat Treatment			Remarks 备注	
				C	Mn	P	S	Ni	Cr	Si	Mo	V	Cu	N	-	正火 Normalizing				
				<0.23	0.60-1.35	<0.035	<0.020	<0.40	<0.30	0.15-0.30	<0.12	<0.05	<0.40	-	-	温度 Temp	Maintain Time	冷却 Cooling		
PO700311	FP031U00	K0718	LF2	0.21	0.66	0.020	0.006	0.01	0.03	0.25	0.0047	0.004	0.02	-	-	-	-	-	-	-
	FP061U00	K0718		0.21	0.66	0.020	0.006	0.01	0.03	0.25	0.0047	0.004	0.02	-	-	860-880	-	水冷 Water cooled		
	FP081U00	K3478V		0.20	0.93	0.013	0.005	0.05	0.08	0.20	0.002	0.001	0.14	-	-	-	-	空冷 Air cooled		

Inspected: Check: 

**STEEL S.R.L.**

VIA C. COLOMBO 15
29010 SARMATO (PIACENZA)
TEL. 0523/886111 - FAX 0523/886298
E-MAIL: steel.snc@tin.it

**ATTESTATO DI CONTROLLO**

NON HO IL N° DI DATI!

TEST REPORT - RELEVÉ DE CONTROLE - WERKSZEUGNIS

N° 10847

DATA 16.11.04

CLIENTE VALVITALIA
Customer
Client
Besteller

ORDINE P402017
Order
Commande
Bestellung

CONFERMA
Confirmation
Confirmation de commande
Auftragshesstellung

ACCIAIO A350LF2 PROFILO T. 250
Steel
Acier
Stahl

COLATA 72641
Reel
Coulée
Schmelze

STATO DI FORNITURA LAMINATO
Delivery state
Etat de livraison
Lieferzustand

	COMPOSIZIONE CHIMICA % - CHEMICAL ANALYSIS % - COMPOSITION CHIMIQUE % - CHEMISCHE ZUSAMMENSETZUNG %													
	C	SI	MN	P	S	CR	NI	MO	AL	CU	V	NB	CEQ	
DI COLATA / On heat Sur cotee / Vonder Schmelze	.142	.27	1.2	.016	.001	.30	.08	.03	.023	.14	.002	.001	.423	
SUL PRODOTTO / On product Sur prod. / Am Erzeugnis														

	CARATTERISTICHE MECCANICHE - MECHANICAL PROPERTIES - CARACTERISTIQUES MECANIKES - MECHANISCHE EIGENSCHAFTEN										
	TRATTAMENTO TERMICO Heat treatment / Traitement thermique Wärmebehandlung	Diameter Nominal mm	Weight Tolloranco /m	Diameter Actual mm	Re Y. Strength N/mm ²	Rm T. Strength N/mm ²	A 4 Elongation %	Z Reduction %	Rm/Re	KV - 46 °C J	HB Brinell h. on product
DI COLATA / On heat Sur cotee / Vonder Schmelze											
SUL PRODOTTO / On product Sur prod. / Am Erzeugnis	NORMALIZZAZIONE				377	532	27.5	56		-35 38 38	163 156

ALTRE PROVE

Other test
Autres essais
Sonstige Prüfungen

COMMENTI

Remarks
Remarques
Andere Bemerkungen

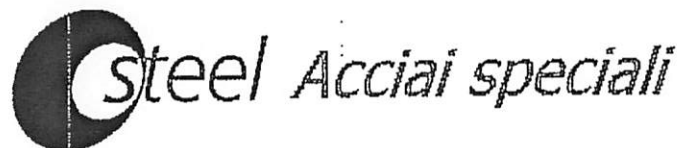
Si attesta che i prodotti sopra descritti sono conformi ai
requisiti contrattuali
Come da NORME UNI EN 10204.3.1B

VALVITALIA s.p.A.
Via Tortona, 69
27055 RIVA VIZZANO (PV)

Controllo Qualità
Quality control
Contrôle de qualité
Qualitätsabteilung

STEEL s.r.l.

mod. 214 - REV. 01

**STEEL S.R.L.**

VIA C. COLOMBO 15
29010 SARMATO (PIACENZA)
TEL. 0523/886111 - FAX 0523/886298
E-MAIL: steel.snc@tin.it

**ATTESTATO DI CONTROLLO**

NON HO IL N° DI DATI!

TEST REPORT - RELEVÉ DE CONTROLE - WERKSZEUGNIS

N° 10847

DATA 16.11.04

CLIENTE VALVITALIA
Customer
Client
Besteller

ORDINE P402017
Order
Commande
Bestellung

CONFERMA
Confirmation
Confirmation de commande
Auftragshesstellung

ACCIAIO A350LF2 PROFILO T. 250
Steel Shape
Acier Section
Stahl Profil

COLATA 72641
Reel
Coulée
Schmelze

STATO DI FORNITURA LAMINATO
Delivery state
Etat de livraison
Lieferzustand

	COMPOSIZIONE CHIMICA % - CHEMICAL ANALYSIS % - COMPOSITION CHIMIQUE % - CHEMISCHE ZUSAMMENSETZUNG %													
	C	SI	MN	P	S	CR	NI	MO	AL	CU	V	NB	CEQ	
DI COLATA / On heat Sur cotee / Vonder Schmelze	.142	.27	1.2	.016	.001	.30	.08	.03	.023	.14	.002	.001	.423	
SUL PRODOTTO / On product Sur prod. / Am Erzeugnis														

	CARATTERISTICHE MECCANICHE - MECHANICAL PROPERTIES - CARACTERISTIQUES MECANIKES - MECHANISCHE EIGENSCHAFTEN											
TRATTAMENTO TERMICO Heat treatment / Traitement thermique Wärmebehandlung	Diameter Nominal mm	Weight Tolloranco /m	Diameter Actual mm	Re Y. Strength N/mm²	Rm T. Strength N/mm²	A4 Elongation %	Z Reduction %	Rm/Re	KV - 46 °C J	HB Brinell h. on product		
DI COLATA / On heat Sur cotee / Vonder Schmelze												
SUL PRODOTTO / On product Sur prod. / Am Erzeugnis	NORMALIZZAZIONE			377	532	27.5	56		-35 38 38	163 156		

ALTRE PROVE

Other test
Autres essais
Sonstige Prüfungen

COMMENTI

Remarks
Remarques
Andere Bemerkungen

Si attesta che i prodotti sopra descritti sono conformi ai
requisiti contrattuali
Come da NORME UNI EN 10204.3.1B

VALVITALIA s.p.A.
Via Tortona, 69
27055 RIVA VIZZANO (PV)

Controllo Qualità
Quality control
Contrôle de qualité
Qualitätsabteilung

STEEL s.r.l.

mod. 214 - REV. 01

TECNOACCIAI S.p.A.Via delle Mammole n° 30
70026 Z.I. Modugno (BA)

IL PRESENTE CERTIFICATO E' VALIDO PER	
CLIENTE: <i>Alpi</i>	
ORDINE N°	DEL
DDT N° <i>8521</i>	DEL
POSIZIONE	MT
TECNO ACCIAI S.p.A.	

OFF. MECC. SQUERO

NUMERO CERTIFICATO: CR04/-15498 del 13/09/04 *P 401877*
 RIFERIMENTO DDT : DT04/-11640 del 13/09/04 *Pos. 4 Pos. 5 Pos. 6*

WERKZEUGNIS / EXEMPLE DE CONTRÔLE
 ATTESTATO DI CONTROLLO / TEST REPORT

ITD2.2

ARTICOLO: M050 - 42CRMO4 BN LAMINATO TONDO MM. 50
 KG 2.580,00

Colata
 68599

Stato Fornitura:
 BONIFICATO

Composizione Chimica

0,418	Si 0,260	Mn 0,890	P 0,008	S 0,001	Cr 0,950	Ni 0,230	Mo 0,180	Pb 0,000	Bn 0,011
Al 0,025	V 0,005	Nb 0,002	Cu 0,170						

Caratteristiche meccaniche

Re 765,000	R 903,000	A 15,600	E 48,000	Resilienza: KV +20°C	Res (1) 80,000	Res (2) 81,000	Res (3) 79,000	HB 0,000	Tratt. term. BONIFICA
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VALVITALIA S.p.A.
 Via Tulliana, 69
 27055 RIVA SABBAZZO (PV)

VALVITALIA S.p.A.
• Via Torretta, 69
27055 RIVARAZZANO (PV)