

ENTREGA DE DOCUMENTACIÓN / DOCUMENTATION DELIVERY

Tipo de Requisito Documental: <i>Type of Document Requirement:</i>	MC
Proveedor: <i>Supplier:</i>	INDUSTRIAS GOAL GIJON, S.L.U
Nº Pedido: <i>Order Number:</i>	C-PE23/02572
Fecha: <i>Date:</i>	05/07/2024
Nº Pieza: <i>Part Number:</i>	T000982574-99999P01
Cantidad: <i>Quantity:</i>	14

Inspection certificate 3.1		No. (A03)	1338117
DIN EN 10204		Page	1/4
(A02)		Date	02.09.2022
No. (A07)	3209-22 Juan	03.03.2022	No. (A07)
Purchaser	Aceros Aviles, S.A.	Customer	Aceros Aviles, S.A.
(A06)	33400 AVILES	(A06)	33400 AVILES
	SPANIEN		SPANIEN
Product	Heavy plate	Works order No.	0000111116
(B01)		(A08)	
Steel grade and terms of delivery	S690QL	Dispatch note No.	0090339771
(B02-B03)	DIN EN 10025-6 10/19		30.08.2022
	DIN EN 10029 B 02/11	Inspection	WS
	DIN EN 10163-2 K1. B UG3 03/05	(A05)	
Marking of the product (B06)			
Trademark/Steelgrade/Heat-No/Product-No/			
inspector's stamp			

Material data (B01-B99)							
Item	Quantity (B08)	Product No. (B07)	Heat No. (B07)	Cond. of delivery (B04)	Thickness x Width x Length (B09-B11)		
					mm	x mm	x mm
01	1	395049 1	72447	VG	8,00	x 2500,0	x 12000
01	1	395049 2	72447	VG	8,00	x 2500,0	x 12000
01	1	395050 1	72447	VG	8,00	x 2500,0	x 12000
01	1	395050 2	72447	VG	8,00	x 2500,0	x 12000
01	1	395051 1	18468	VG	8,00	x 2500,0	x 12000
01	1	395052 1	18468	VG	8,00	x 2500,0	x 12000
01	1	395052 2	18468	VG	8,00	x 2500,0	x 12000
01	1	395053 1	18468	VG	8,00	x 2500,0	x 12000
01	1	395053 2	18468	VG	8,00	x 2500,0	x 12000
01	1	395056 1	18466	VG	8,00	x 2500,0	x 12000
01	1	395056 2	18466	VG	8,00	x 2500,0	x 12000
01	1	395058 1	18466	VG	8,00	x 2500,0	x 12000
03	1	395205 1	18466	VG	12,00	x 2500,0	x 12000
03	1	395205 2	18466	VG	12,00	x 2500,0	x 12000
03	1	395206 2	18466	VG	12,00	x 2500,0	x 12000
03	1	395207 1	18466	VG	12,00	x 2500,0	x 12000
03	1	395207 2	18466	VG	12,00	x 2500,0	x 12000
03	1	395208 1	18466	VG	12,00	x 2500,0	x 12000
03	1	395208 2	18466	VG	12,00	x 2500,0	x 12000
03	1	397532 1	18466	VG	12,00	x 2500,0	x 12000
04	1	397398 1	18466	VG	15,00	x 2500,0	x 12000
05	1	394820 1	18539	VG	20,00	x 2500,0	x 12000
05	1	394820 2	18539	VG	20,00	x 2500,0	x 12000
05	1	394822 1	18538	VG	20,00	x 2500,0	x 12027
05	1	394822 2	18538	VG	20,00	x 2500,0	x 12000
05	1	399971 1	72772	VG	20,00	x 2500,0	x 12000
08	1	394487 1	43909	VG	35,00	x 2500,0	x 12000
08	1	394489 1	43898	VG	35,00	x 2500,0	x 12000
08	1	395327 1	43909	VG	35,00	x 2500,0	x 12000
09	1	408787 1	19474	VG	40,00	x 2500,0	x 12000
10	1	395346 1	43900	VG	50,00	x 2500,0	x 12000
10	1	402643 1	73028	VG	50,00	x 2500,0	x 12000
				VG : quenched and tempered			

We hereby certify that the delivered material complies with the terms of the order.
(Z01)

QM-System: Certification as per ISO 9001 since 28 February 1990



Ilseburger Grobblech GmbH
Veckenstedter Weg 10
D-38871 Ilseburg
(A01)



Inspection Representative
(Z02)

Cyron

This certificate was prepared by a suitable data processing system and is valid without signature according to EN 10 204, section 5.

Inspection certificate 3.1		No. (A03)	1338117
DIN EN 10204		Page	2/4
(A02)		Date	02.09.2022
No. (A07)	3209-22 Juan	03.03.2022	No. (A07)
Purchaser	Aceros Aviles, S.A.	Customer	Aceros Aviles, S.A.
(A06)	33400 AVILES	(A06)	33400 AVILES
	SPANIEN		SPANIEN
Product	Heavy plate	Works order No.	0000111116
(B01)		(A08)	
Steel grade and terms of delivery	S690QL	Dispatch note No.	0090339771
(B02-B03)	DIN EN 10025-6 10/19		30.08.2022
	DIN EN 10029 B 02/11	Inspection	WS
	DIN EN 10163-2 Kl. B UG3 03/05	(A05)	

Material data (B01-B99)

01	12	Weight	22.608	kgs
03	8	(B12)	22.608	
04	1		3.533	
05	5		23.561	
08	3		24.729	
09	1		9.420	
10	2		23.550	
Σ	32		130.009	

Dimensional check and visual examination of the surface condition:
without objection

Ladle analysis (C70-C99)

Manufacturer standard

Heat No. (B07)	C %	Si %	Mn %	P %	S %	N %	Al %	Cu %	Cr %	Ni %
	≤0,20	≤0,80	≤1,70	≤0,020	≤0,010	≤0,015		≤0,50	≤1,50	≤4,00
18466	0,13	0,28	1,33	0,013	0,001	0,006	0,054	0,04	0,23	0,04
18468	0,13	0,30	1,27	0,012	0,001	0,005	0,053	0,03	0,22	0,04
18538	0,13	0,28	1,25	0,011	0,001	0,006	0,060	0,02	0,22	0,04
18539	0,13	0,28	1,29	0,013	0,001	0,005	0,063	0,01	0,24	0,03
19474	0,13	0,27	1,28	0,014	0,001	0,004	0,055	0,02	0,22	0,03
43898	0,12	0,30	1,24	0,014	0,001	0,003	0,062	0,03	0,22	0,05
43900	0,15	0,29	1,30	0,012	0,002	0,006	0,061	0,03	0,24	0,04
43909	0,13	0,33	1,24	0,012	0,001	0,005	0,048	0,02	0,24	0,03
72447	0,13	0,30	1,33	0,015	0,001	0,004	0,057	0,02	0,23	0,04
Heat No. (B07)	Nb %	Mo %	V %	Ti %	B %	Zr %	EV1 1) %			
	≤0,06	≤0,70	≤0,12	≤0,05	≤0,0050	≤0,15	≤0,65			
18466	0,02	0,21	0,002	0,02	0,0021	0,001	0,45			
18468	0,02	0,21	0,002	0,02	0,0016	0,001	0,43			
18538	0,02	0,21	0,002	0,01	0,0021	0,001	0,43			
18539	0,02	0,21	0,002	0,02	0,0016	0,001	0,44			
19474	0,02	0,22	0,001	0,01	0,0021	0,001	0,43			
43898	0,02	0,22	0,004	0,02	0,0017	0,001	0,42			
43900	0,02	0,21	0,002	0,01	0,0014	0,001	0,46			
43909	0,02	0,23	0,003	0,02	0,0021	0,001	0,43			
72447	0,02	0,22	0,002	0,01	0,0026	0,001	0,45			

1) EV1: CEV=C+Mn/6+Mo/5+Ni/15+Cr/5+V/5+Cu/15

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(Z01)

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Ilseburger Grobblech GmbH
 Veckenstedter Weg 10
 D-38871 Ilseburg
 (A01)



Inspection Representative
 (Z02)

Cyron

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Inspection certificate 3.1		No. (A03) 1338117	
DIN EN 10204		Page 3/4	
(A02)		Date 02.09.2022	
No. (A07) 3209-22 Juan	03.03.2022	No. (A07)	
Purchaser Aceros Aviles, S.A.		Customer Aceros Aviles, S.A.	
(A06) 33400 AVILES		(A06) 33400 AVILES	
SPANIEN		SPANIEN	
Product Heavy plate		Works order No.	0000111116
(B01)		(A08)	
Steel grade and terms of delivery S690QL		Dispatch note No.	0090339771
(B02-B03) DIN EN 10025-6 10/19			30.08.2022
DIN EN 10029 B 02/11		Inspection	WS
DIN EN 10163-2 Kl. B UG3 03/05		(A05)	

Ladle analysis (C70-C99)										
Manufacturer standard										
Heat No. (B07)	C %	Si %	Mn %	P %	S %	N %	Al %	Cu %	Cr %	Ni %
	≤0,20	≤0,80	≤1,70	≤0,020	≤0,010	≤0,015		≤0,50	≤1,50	≤4,00
72772	0,13	0,29	1,29	0,019	0,001	0,003	0,052	0,02	0,24	0,03
73028	0,13	0,34	1,28	0,015	0,002	0,004	0,064	0,02	0,24	0,03
Heat No. (B07)	Nb %	Mo %	V %	Ti %	B %	Zr %	EV1 1) %			
	≤0,06	≤0,70	≤0,12	≤0,05	≤0,0050	≤0,15	≤0,65			
72772	0,02	0,20	0,002	0,01	0,0015	0,001	0,44			
73028	0,02	0,25	0,003	0,01	0,0020	0,001	0,45			
1) EV1: CEV=C+Mn/6+Mo/5+Ni/15+Cr/5+V/5+Cu/15										
Steel making: Basic oxygen process (C70)										

Tensile test (C10-C29)										
Specimen No. (C00)	Heat No. (B07)	Location (C01)	Direct. (C02)	Cond. (B05)	Type (C10)	Yield point (C11) ReH MPa ≥ 690	Tensile strength (C12) Rm MPa 770 - 940	ReH/Rm	Elongation (C13) A5 7) %	
		1) 2) 3)	4)	5)	6)				≥ 14	
394487	43909	K4G	Q	VG	P	796	842	0,95	19	
394489	43898	K4G	Q	VG	P	787	832	0,95	19	
394820	18539	K4G	Q	VG	P	865	881	0,98	19	
394822	18538	K4G	Q	VG	P	830	862	0,96	19	
395049	72447	K4G	Q	VG	P	831	875	0,95	17	
395051	18468	K4G	Q	VG	P	816	841	0,97	17	
395056	18466	K4G	Q	VG	P	818	862	0,95	17	
395205	18466	K4G	Q	VG	P	834	867	0,96	18	
395346	43900	K4G	Q	VG	P	780	843	0,93	18	
397532	18466	K4G	Q	VG	P	845	867	0,97	18	
399971	72772	K4G	Q	VG	P	835	857	0,97	19	
402643	73028	K4G	Q	VG	P	751	820	0,92	18	
408787	19474	K4G	Q	VG	P	769	820	0,94	19	
1) K: Top 2) 4: 1/4 Width 3) G: Thickness of product 4) Q: transversal 5) VG: quenched and tempered 6) P: prismatic 7) A5: Lo=5,65 √So										

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(Z01)

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Trademark
(A04)

Ilseburger Grobblech GmbH
Veckenstedter Weg 10
D-38871 Ilseburg
(A01)



Inspection Stamp
(Z03)

Inspection Representative
(Z02)

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	SPANIEN		SPANIEN
Product	Heavy plate	Works order No.	0000111116
(B01)		(A08)	
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(B02-B03)	DIN EN 10025-6 10/19		30.08.2022
	DIN EN 10029 B 02/11	Inspection	WS
	DIN EN 10163-2 K1. B UG3 03/05	(A05)	

Impact test (C40-C49)

Specimen No. (C00)	Heat No. (B07)	Location (C01)	Direct. (C02)	Cond. (B05)	Type of specimen (C40-C41)	Temperature (C03)	Impact energy (C42-C43)			
		1) 2) 3)	4)	5)		°C	1	2	3	MW 6)
							J			J
394487	43909	K4O	Q	VG	KV600	-040	97	165	143	135
394489	43898	K4O	Q	VG	KV600	-040	219	224	196	213
394820	18539	K4O	Q	VG	KV600	-040	220	217	221	219
394822	18538	K4O	Q	VG	KV600	-040	95	86	104	95
395049	72447	K4O	Q	VG	KV600/5,0	-040	77	77	79	78
395051	18468	K4O	Q	VG	KV600/5,0	-040	93	87	89	90
395056	18466	K4O	Q	VG	KV600/5,0	-040	67	60	61	63
395205	18466	K4O	Q	VG	KV600	-040	86	124	142	117
395346	43900	K4V	Q	VG	KV600	-040	149	177	153	160
397532	18466	K4O	Q	VG	KV600	-040	193	172	175	180
399971	72772	K4O	Q	VG	KV600	-040	190	191	207	196
402643	73028	K4V	Q	VG	KV600	-040	161	153	176	163
408787	19474	K4V	Q	VG	KV600	-040	190	204	205	200

- | | |
|--------------------|------------------------------|
| 1) K: Top | 4) Q: transversal |
| 2) 4: 1/4 Width | 5) VG: quenched and tempered |
| 3) O: near surface | 6) MW: Average |
| V: 1/4 Thickness | |

Our products are free of radioactive substances and do not exceed the clearing limit value of 100 Bq/kg, which guarantees the compliance with limit values given in the Radiation Protection Ordinance (StrlSchV) for the unrestricted clearance of solid material (StrlSchV Annex III, Section 5) for ferrous nuclides.

EPD acc. to EN 15804 + A2 & ISO 14025

We hereby certify that the delivered material complies with the terms of the order.
(Z01)

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Ilseburger Grobblech GmbH
 Veckenstedter Weg 10
 D-38871 Ilseburg
 (A01)



Inspection Representative
(Z02)

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