

## ENTREGA DE DOCUMENTACIÓN / DOCUMENTATION DELIVERY

<b>Tipo de Requisito Documental:</b> <i>Type of Document Requirement:</i>	<b>MC</b>
<b>Proveedor:</b> <i>Supplier:</i>	INDUSTRIAS GOAL GIJON, S.L.
<b>Nº Pedido:</b> <i>Order Number:</i>	C-PE23/02572
<b>Fecha:</b> <i>Date:</i>	04/07/2024
<b>Nº Pieza:</b> <i>Part Number:</i>	T000982574-14703P01
<b>Cantidad:</b> <i>Quantity:</i>	56

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96.221

Nº PLANO	T000982574-12807P01
Nº PEDIDO	C-PE23/02568
FIRMA Y SELLO:	
	



**Inspection certificate 3.1**  
**DIN EN 10204**  
(A02)

No. (A03) **1299618**  
Page 1/3  
Date 18.01.2022

No. (A07) 0215-21-Juan 08.02.2021 No. (A07) 0215-21-Juan  
Purchaser Aceros Aviles, S.A. Customer Aceros Aviles, S.A.  
(A06) 33400 AVILES (A06) 33400 AVILES  
SPANIEN SPANIEN

Product Heavy plate  
(B01)

Works order No. 0000106500  
(A08)  
Inspection WS  
(A05)

Steel grade and terms of delivery S690QL  
(B02-B03) DIN EN 10025-6 10/19  
DIN EN 10029 B 02/11  
DIN EN 10163-2 K1. B UG3 03/05

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	298269 1	65456	VG	20,00 x 2500,0 x 12000	
01	1	335340 1	39793	VG	20,00 x 2500,0 x 12000	
01	1	335340 2	39793	VG	20,00 x 2500,0 x 12000	
05	1	308460 1	37371	VG	60,00 x 2500,0 x 12000	
06	1	297825 1	11494	VG	80,00 x 2500,0 x 12000	
07	1	298053 1	11494	VG	100,00 x 2500,0 x 12000	
01	3	Weight	14.130	VG: quenched and tempered		
05	1	(B12)	14.130			
06	1		18.840			
07	1		23.550			
Σ	6		70.650			

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
11494	0,16	0,29	1,28	0,010	0,002	0,006	0,044	0,05	0,46	0,91
37371	0,16	0,24	1,23	0,011	0,002	0,007	0,058	0,06	0,23	0,04
39793	0,12	0,28	1,29	0,013	0,001	0,004	0,054	0,04	0,24	0,04
65456	0,13	0,29	1,28	0,015	0,001	0,005	0,058	0,03	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				
11494	0,02	0,53	0,02	0,01	0,0012	0,002	0,64			
37371	0,02	0,52	0,04	0,01	0,0012	0,001	0,53			
39793	0,02	0,22	0,002	0,02	0,0013	0,001	0,43			
65456	0,02	0,22	0,004	0,01	0,0014	0,002	0,44			

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

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



**Ilsenburger Grobblech GmbH**  
Veckenstedter Weg 10  
D-38871 Ilsenburg  
(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.


**ILSEBURGER  
GROBBLECH**

Ein Unternehmen der Salzgitter Gruppe

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08.02.2021

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 Product Heavy plate  
 (B01)

Works order No. 0000106500

(A08)

Inspection

WS

(A05)

 Steel grade and terms of delivery S690QL  
 (B02-B03) DIN EN 10025-6 10/19  
 DIN EN 10029 B 02/11  
 DIN EN 10163-2 K1. B UG3 03/05

 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	Tensile strength (C12) Rm MPa	ReH/Rm	Elongation (C13) A5 7) % ≥14	
297825	11494	K4O	Q	VG	P	729	792	0,92	21	
298053	11494	K4O	Q	VG	P	704	777	0,91	20	
298269	65456	K4G	Q	VG	P	812	838	0,97	19	
308460	37371	K4G	Q	VG	P	821	885	0,93	17	
335340	39793	K4G	Q	VG	P	849	862	0,98	20	

1) K: Top  
 2) 4: 1/4 Width  
 3) G: Thickness of product  
 O: near surface  
 4) Q: transversal  
 5) VG: quenched and tempered  
 6) P: prismatic  
 7) A5: Lo=5,65 √So

**Impact test (C40-C49)**

Specimen No. (C00)	Heat No. (B07)	Location (C01)	Direct. (C02)	Cond. (B05)	Type of specimen (C40-C41)	Temperature (C03) °C	Impact energy (C42-C43) 1 2 3 MW 6) J J J J ≥19 ≥27			
297825	11494	K4V	Q	VG	KV450	-040	226	228	229	228
298053	11494	K4V	Q	VG	KV450	-040	184	165	161	170
298269	65456	K4O	Q	VG	KV450	-040	233	188	192	204
308460	37371	K4V	Q	VG	KV600	-040	36	45	43	41
335340	39793	K4O	Q	VG	KV450	-040	206	193	230	210

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

 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


 Trademark  
 (A04)

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

 Inspection Stamp  
 (Z03)

 Inspection Representative  
 (Z02)

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Steel grade and terms of delivery S690QL

(B02-B03)

DIN EN 10025-6 10/19  
DIN EN 10029 B 02/11  
DIN EN 10163-2 K1. B UG3 03/05Inspection WS  
(A05)

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.

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