

Inspection certificate 3.1		No. (A03)	1320973
DIN EN 10204		Page	1/4
(A02)		Date	24.05.2022
No. (A07)	41638	21.02.2022	No. (A07)
Purchaser (A06)	Oy Alusteel Ab 23500 UUSIKAUPUNKI FINNLAND	Customer (A06)	Oy Alusteel Ab 23500 UUSIKAUPUNKI FINNLAND
Product (B01)	Heavy plate	Works order No. (A08)	0000110604
Steel grade and terms of delivery (B02-B03)	S355K2+N DIN EN 10025-2 10/19 HRP-S355K2-SAL vom 07.02.2022 DIN EN 10029 B 02/11 DIN EN 10163-2 Kl. B UG3 03/05 2382370	Dispatch note No.	0090164874 23.05.2022
		Inspection (A05)	WS
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
22	1	385686 1	622972	N	25,00	x 2000,0	x 6000
22	1	385686 2	622972	N	25,00	x 2000,0	x 6000
22	1	385686 3	622972	N	25,00	x 2000,0	x 6000
22	1	385687 1	17917	N	25,00	x 2000,0	x 6000
22	1	385687 2	17917	N	25,00	x 2000,0	x 6000
22	1	385687 3	17917	N	25,00	x 2000,0	x 6000
22	1	385687 4	17917	N	25,00	x 2000,0	x 6000
22	1	385688 1	17917	N	25,00	x 2000,0	x 6000
22	1	385688 2	17917	N	25,00	x 2000,0	x 6000
22	1	385688 3	17917	N	25,00	x 2000,0	x 6000
22	1	385688 4	17917	N	25,00	x 2000,0	x 6000
22	1	387331 1	17917	N	25,00	x 2000,0	x 6000
22	1	387331 2	17917	N	25,00	x 2000,0	x 6000
22	1	387331 3	17917	N	25,00	x 2000,0	x 6000
22	1	387331 4	17917	N	25,00	x 2000,0	x 6000
22	1	387332 1	71957	N	25,00	x 2000,0	x 6000
22	1	387332 2	71957	N	25,00	x 2000,0	x 6000
22	1	388822 1	17917	N	25,00	x 2000,0	x 6000
22	1	388822 2	17917	N	25,00	x 2000,0	x 6000
22	1	388822 4	17917	N	25,00	x 2000,0	x 6000
22	1	388823 1	17917	N	25,00	x 2000,0	x 6000
22	1	388823 2	17917	N	25,00	x 2000,0	x 6000
22	1	388823 3	17917	N	25,00	x 2000,0	x 6000
22	1	388823 4	17917	N	25,00	x 2000,0	x 6000
22	1	388824 1	17917	N	25,00	x 2000,0	x 6000
22	1	388824 2	17917	N	25,00	x 2000,0	x 6000
22	1	388824 3	17917	N	25,00	x 2000,0	x 6000
22	1	388824 4	17917	N	25,00	x 2000,0	x 6000
22	1	388825 1	17917	N	25,00	x 2000,0	x 6000
22	1	388825 2	17917	N	25,00	x 2000,0	x 6000
22	1	388825 3	17917	N	25,00	x 2000,0	x 6000
22	1	388825 4	17917	N	25,00	x 2000,0	x 6000
Σ	32	Weight (B12)	76.800 kgs	N: normalized			

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

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)

Cyron

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(A02)		Date	24.05.2022
No. (A07)	41638	21.02.2022	No. (A07)
Purchaser	Oy Alusteel Ab	Customer	Oy Alusteel Ab
(A06)	23500 UUSIKAUPUNKI FINNLAND	(A06)	23500 UUSIKAUPUNKI FINNLAND
Product	Heavy plate	Works order No.	0000110604
(B01)		(A08)	
Steel grade and terms of delivery	S355K2+N	Dispatch note No.	0090164874
(B02-B03)	DIN EN 10025-2 10/19		23.05.2022
	HRP-S355K2-SAL vom 07.02.2022	Inspection	WS
	DIN EN 10029 B 02/11	(A05)	
	DIN EN 10163-2 Kl. B UG3 03/05		
	2382370		

Ladle analysis (C70-C99)										
Manufacturer standard										
Heat No. (B07)	C %	Si %	Mn %	P %	S %	N %	Al %	Cu %	Cr %	Ni %
	≤0,20	≤0,55	≤1,60	≤0,025	≤0,025			≤0,55		
17917	0,16	0,29	1,53	0,015	0,004	0,006	0,039	0,06	0,05	0,05
622972	0,17	0,19	1,50	0,013	0,001	0,003	0,037	0,03	0,05	0,05
71957	0,16	0,27	1,56	0,012	0,003	0,004	0,043	0,01	0,03	0,03
Heat No. (B07)	Mo %	V %	Ti %	Nb %	EV1 1) %					
	≤0,08	≤0,10			≤0,45					
17917	0,004	0,002	0,002	0,03	0,43					
622972	0,01	0	0,003	0,03	0,44					
71957	0,003	0,002	0,003	0,03	0,43					

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 ≥345	Tensile strength (C12) Rm MPa 470 - 630	ReH/Rm	Elongation (C13) A5 7) %	
		1) 2) 3)	4)	5)	6)				≥20	
384073 *)	622972	K4G	Q	N	P	408	586	0,70	28	
385687	17917	K4G	Q	N	P	424	577	0,73	26	
387323 *)	71957	K4G	Q	N	P	403	559	0,72	31	
388825	17917	K4G	Q	N	P	435	578	0,75	28	

1) K: Top
2) 4: 1/4 Width
3) G: Thickness of product
4) Q: transversal
*) The sample product is not part of the delivery

5) N: normalized
6) P: prismatic
7) A5: Lo=5,65 √So

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

Inspection certificate 3.1		No. (A03)	1320973
DIN EN 10204		Page	3/4
(A02)		Date	24.05.2022
No. (A07)	41638	21.02.2022	No. (A07)
Purchaser (A06)	Oy Alusteel Ab 23500 UUSIKAUPUNKI FINNLAND	Customer (A06)	Oy Alusteel Ab 23500 UUSIKAUPUNKI FINNLAND
Product (B01)	Heavy plate	Works order No. (A08)	0000110604
Steel grade and terms of delivery (B02-B03)	S355K2+N DIN EN 10025-2 10/19 HRP-S355K2-SAL vom 07.02.2022 DIN EN 10029 B 02/11 DIN EN 10163-2 Kl. B UG3 03/05 2382370	Dispatch note No.	0090164874 23.05.2022
		Inspection (A05)	WS

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)				MW 6) J ≥40
							1	2	3	4	
		1) 2) 3)	4)	5)		°C	J	J	J	J	
384073 *)	622972	K40	L	N	KV600	-020	205	218	211		211
385687	17917	K40	L	N	KV600	-020	192	193	196		194
387323 *)	71957	K40	L	N	KV600	-020	208	207	205		207
388825	17917	K40	L	N	KV600	-020	189	182	181		184

1) K: Top
2) 4: 1/4 Width
3) 0: near surface
*) The sample product is not part of the delivery

4) L: longitudinal
5) N: normalized
6) MW: Average

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)

Cyron

Inspection certificate 3.1
DIN EN 10204
(A02)

No. (A03) **1320973**
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Date 24.05.2022



0045

Ilsenburger Grobblech GmbH
Veckenstedter Weg 10
D-38871 Ilsenburg

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0045-CPR-0673
DoP: ILGS355K2-CPR-10025-01072013

EN 10025-1 2004

Warmgewalzte Baustahlprodukte
Hot rolled structural steel products
Produits en acier de construction laminé à chaud

Vorgesehene Verwendungen: Intended uses: Usages prévus:	Hochbauten und Ingenieurbauwerke Building constructions or civil engineering Construction de bâtiments ou génie civil
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Grenzabmaße und Formtoleranzen: Tolerances on dimensions and shape: Tolérances sur les dimensions et la forme:	Warmgewalztes Grobblech Hot rolled heavy plates Tôles fortes refendues laminées à chaud: EN 10029
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Dehnung / Elongation / Élongation: Zugfestigkeit / Tensile strength / Résistance à la traction: Streckgrenze / Yield strenght / Limite d'élasticité: Kerbschlagarbeit / Impact strenght / Résistance au choc: Schweißseignung / Weldability / Soudabilité:	S355K2+N DIN EN 10025-2
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Dauerhaftigkeit: Durability: Durabilité:	Keine Leistung festgestellt No performance determined Aucune performance déterminée
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Regulierter Stoff: Regulated substance: Substance Réglementée:	Keine Leistung festgestellt No performance determined Aucune performance déterminée
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Die Leistungserklärung (DoP) gemäß EU-Verordnung 305/2011, Anhang III kann unter www.ilsenburger-grobbblech.de/de/produkte/qualitaetsphilosophie-ims/zertifikate abgerufen werden.

The Declaration of Performance (DoP) in acc. with EU-Regulation 305/2011, Annex III is available under www.ilsenburger-grobbblech.de/en/produkte/qualitaetsphilosophie-ims/zertifikate