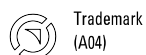


Inspection certificate 3.1		No. (A03)	1326841
DIN EN 10204		Page	1/4
(A02)		Date	28.06.2022
No. (A07)	41733	08.03.2022	No. (A07)
Purchaser (A06)	Oy Alusteel Ab 23500 UUSIKAUPUNKI FINNLAND	Customer (A06)	Oy Alusteel Ab 23500 UUSIKAUPUNKI FINNLAND
Product (B01)	Heavy plate	Works order No. (A08)	0000110810
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 2382310	Dispatch note No.	0090229120 27.06.2022
		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
11	1	395558 1	43954	N	15,00 x 2000,0 x 6000	
11	1	395558 2	43954	N	15,00 x 2000,0 x 6000	
11	1	395558 3	43954	N	15,00 x 2000,0 x 6000	
11	1	395559 1	623800	N	15,00 x 2000,0 x 6000	
11	1	395559 2	623800	N	15,00 x 2000,0 x 6000	
11	1	395559 3	623800	N	15,00 x 2000,0 x 6000	
11	1	395559 4	623800	N	15,00 x 2000,0 x 6000	
11	1	395560 1	623800	N	15,00 x 2000,0 x 6000	
11	1	395560 2	623800	N	15,00 x 2000,0 x 6000	
11	1	395560 3	623800	N	15,00 x 2000,0 x 6000	
11	1	395561 1	43954	N	15,00 x 2000,0 x 6000	
11	1	395561 2	43954	N	15,00 x 2000,0 x 6000	
11	1	395561 3	43954	N	15,00 x 2000,0 x 6000	
11	1	395562 1	43954	N	15,00 x 2000,0 x 6000	
11	1	395562 2	43954	N	15,00 x 2000,0 x 6000	
11	1	395562 3	43954	N	15,00 x 2000,0 x 6000	
11	1	395562 4	43954	N	15,00 x 2000,0 x 6000	
11	1	395563 1	43954	N	15,00 x 2000,0 x 6000	
11	1	395563 2	43954	N	15,00 x 2000,0 x 6000	
11	1	395563 3	43954	N	15,00 x 2000,0 x 6000	
11	1	395563 4	43954	N	15,00 x 2000,0 x 6000	
11	1	395564 1	623800	N	15,00 x 2000,0 x 6000	
11	1	395564 2	623800	N	15,00 x 2000,0 x 6000	
11	1	395564 3	623800	N	15,00 x 2000,0 x 6000	
11	1	397956 1	72548	N	15,00 x 2000,0 x 6000	
11	1	397956 2	72548	N	15,00 x 2000,0 x 6000	
11	1	397956 3	72548	N	15,00 x 2000,0 x 6000	
11	1	397956 4	72548	N	15,00 x 2000,0 x 6000	
11	1	397957 1	43954	N	15,00 x 2000,0 x 6000	
11	1	397957 2	43954	N	15,00 x 2000,0 x 6000	
11	1	397957 3	43954	N	15,00 x 2000,0 x 6000	
11	1	397957 4	43954	N	15,00 x 2000,0 x 6000	
11	1	400113 1	44082	N	15,00 x 2000,0 x 6000	
11	1	400113 2	44082	N	15,00 x 2000,0 x 6000	
Σ	34	Weight (B12)	48.960 kgs	N: normalized		

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

Inspection certificate 3.1		No. (A03)	1326841
DIN EN 10204		Page	2/4
(A02)		Date	28.06.2022
No. (A07)	41733	08.03.2022	No. (A07)
Purchaser	Oy Alusteel Ab	Customer	Oy Alusteel Ab
(A06)	23500 UUSIKAUPUNKI FINNLAND	(A06)	23500 UUSIKAUPUNKI FINNLAND
Product	Heavy plate	Works order No.	0000110810
(B01)		(A08)	
Steel grade and terms of delivery	S355K2+N	Dispatch note No.	0090229120
(B02-B03)	DIN EN 10025-2 10/19		27.06.2022
	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		
	2382310		

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	≤0,55	≤1,60	≤0,025	≤0,025			≤0,55		
43954	0,15	0,25	1,53	0,012	0,008	0,003	0,037	0,06	0,04	0,05
44082	0,16	0,28	1,60	0,013	0,007	0,004	0,031	0,07	0,05	0,05
623800	0,17	0,19	1,53	0,013	0,001	0,005	0,035	0,03	0,04	0,03
72548	0,17	0,30	1,57	0,014	0,003	0,004	0,029	0,03	0,04	0,04
Heat No. (B07)	Mo %	V %	Ti %	Nb %	EV1 1) %					
	≤0,08	≤0,10			≤0,45					
43954	0,01	0,002	0,002	0,001	0,42					
44082	0,01	0,001	0,002	0,001	0,45					
623800	0,01	0,001	0,003	0,001	0,44					
72548	0,01	0,004	0,002	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)

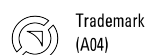
Tensile test (C10-C29)										
Specimen No. (C00)	Heat No. (B07)	Location (C01)	Direct. (C02)	Cond. (B05)	Type (C10)	Yield point (C11) ReH MPa ≥ 355	Tensile strength (C12) Rm MPa 470 - 630	ReH/Rm	Elongation (C13) A5 7) % ≥ 20	
395485 *)	43954	K4G	Q	N	P	389	537	0,72	28	
395560	623800	K4G	Q	N	P	391	550	0,71	32	

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)	1326841
DIN EN 10204		Page	3/4
(A02)		Date	28.06.2022
No. (A07)	41733	08.03.2022	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)	0000110810
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 2382310	Dispatch note No.	0090229120 27.06.2022
		Inspection (A05)	WS

Tensile test (C10-C29)

Specimen No. (C00)	Heat No. (B07)	Location (C01)	Direct. (C02)	Cond. (B05)	Type (C10)	Yield point (C11) ReH MPa ≥ 355	Tensile strength (C12) Rm MPa 470 - 630	ReH/Rm	Elongation (C13) A5 7) % ≥ 20
397949 *) 397956	44082 72548	K4G K4G	Q Q	N N	P P	426 424	567 561	0,75 0,76	29 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				

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)	4)	5)			1	2	3	MW 6)
							J ≥ 28			J ≥ 40
395485 *) 395560 397949 *) 397956	43954 623800 44082 72548	K40 K40 K40 K40	L L L L	N N N N	KV600 KV600 KV600 KV600	-020 -020 -020 -020	90 218 142 158	178 204 155 187	150 203 136 192	139 208 144 179
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)

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
DIN EN 10204
(A02)

No. (A03) **1326841**
Page 4/4
Date 28.06.2022



0045

Ilsenburger Grobblech GmbH
Veckenstedter Weg 10
D-38871 Ilsenburg

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0045-CPR-0673
DoP: ILGS355K2-CPR-10025-01052022

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