

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

No. (A07) 4500018226      01.10.2019      No. (A07)  
Purchaser Naantali Steel Service Centre Oy      Customer Naantali Steel Service Centre Oy  
(A08) 21110 NAANTALI      (A06) 21110 NAANTALI  
FINNLAND      FINNLAND

Product (B01) Hot rolled sheet/plate, pickled      Works order No. 0001376310  
(A08)

Steel grade and terms of delivery (B02-B03) S355MC seca® xtra      Dispatch note No. 0088680571  
DIN EN 10149-2 / 12.2013      04.02.2020  
DIN EN 10051:2011-02      Inspection WS  
DIN EN 10163-2 Kl. B UG3 03/05      (A05)  
13001618

Marking of the product (B06)  
Trademark/Steelgrade/Heat-No/Product-No

**Material data (B01-B99)**

Item	Quantity (B06)	Product No. (B07)	Heat No. (B07)	Cond. of delivery (B04)	Thickness x Width x Length (B09-B11) mm x mm x mm
03	13	1617160	54966	M	12,00 x 1500,0 x 3000
03	57	1633159	01668	M	12,00 x 1500,0 x 3000
Σ	70	Weight (B12) 29.944 kgs		M: thermomechanically rolled	

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


**Ladle analysis (C70-C99)**

Heat No. (B07)	C %	Si %	Mn %	P %	S %	N %	Al %	Cu %	Cr %	Ni %
01668	0,06	0,01	1,12	0,011	0,003	0,004	0,052	0,02	0,03	0,03
54966	0,06	0,02	1,12	0,011	0,005	0,003	0,056	0,02	0,03	0,03
Heat No. (B07)	Mo %	Nb %	Ti %	V %	EV1 1) %	EV2 2) %				
01668	0,001	0,02	0,001	0,002	0,02	0,038				
54966	0,003	0,02	0,001	0,001	0,02	0,048				


1) EV1: V+Nb+Ti      2) EV2: Si+2,5\*P

Steel making: Basic oxygen process  
(C70)

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

 Trademark (A04)

Salzgitter Flachstahl GmbH  
Eisenhüttenstr. 99  
D-38239 Salzgitter  
(A01)

 Inspection Stamp (Z03)

Inspection Representative (Z02)

Koerfer

This certificate was prepared by a suitable data processing system and is valid without signature according to EN 10204, section 5.

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

No. (A03) **1788271**  
Page **2/2**  
Date **05.02.2020**

No. (A07) **4500018226**      01.10.2019      No. (A07)  
Purchaser **Naantali Steel Service Centre Oy**      Customer **Naantali Steel Service Centre Oy**  
(A06) **21110 NAANTALI**      (A06) **21110 NAANTALI**  
**FINNLAND**      **FINNLAND**

Product (B01) **Hot rolled sheet/plate, pickled**

Steel grade and terms of delivery (B02-B03) **S355MC seca@ xtra**  
**DIN EN 10149-2 / 12.2013**  
**DIN EN 10051:2011-02**  
**DIN EN 10163-2 Kl. B UG3 03/05**  
**13001618**

Works order No. (A08) **0001376310**  
Dispatch note No. **0088680571**  
**04.02.2020**  
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 430 - 550	Elongation (C13) A5 % ≥ 23		
		1) 2) 3)	4)	5)	6)			7)		
1617160	54966	M4G	L	M	P	415	503	30		
1633159	01668	M4G	L	M	P	407	496	29		

1) M: 1/2 Length  
2) A: 1/4 Width  
3) G: Thickness of product  
4) L: longitudinal  
5) M: thermomechanically rolled  
6) P: prismatic  
7) A5: Lo=5,65 √So

Bend tests without objection

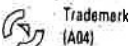
**Impact test (C40-C49)**

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 ≥ 40
1617160	54966	M40	L	M	KV750	-020	324	336	325	328
1633159	01668	M40	L	M	KV750	-020	270	303	314	296

1) M: 1/2 Length  
2) A: 1/4 Width  
3) 0: near surface  
4) L: longitudinal  
5) M: thermomechanically rolled  
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.

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



Salzgitter Flachstahl GmbH  
Eisenhüttenstr. 99  
D-38239 Salzgitter  
(A01)



Inspection Representative (Z02)

Koerfer

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