



ArcelorMittal Bremen GmbH
Postfach 210220
28222 BREMEN
Carl-Benz-Strasse 30
28237 BREMEN
Telefon 0421/6480
Telefax 0421/6482251

A02
CERTIFICATE

A03 Page: 01 / 04
20190037558-00

Inspection certificate 3.1 EN 10204

A05 ORIGINATOR OF THE DOCUMENT
ArcelorMittal Bremen GmbH
Abnahme/Zeugnisschreibung
zeugnisse.bremen@arcelormittal.com
Telefon 0421/6482813

A09 DISPATCH NOTE **0000866669**
DATE 29.05.2019

A08.1 MANUFACTURER'S ORDER NR **1944182**
DATE 04.04.2019
AGENCY'S ORDER NR. FH92ALU005010

A07 CUSTOMER'S ORDER NUMBER
46873

A06.1 CUSTOMER
Oy AluSteel Ab

Telakkatie 4
23500 Uusikaupunki
Finland

A06.2 CONSIGNEE
Oy AluSteel Ab

Hepokarintie 9
23500 UUSIKAUPUNKI
Finland

PRODUCT: hot rolled unpickled sheet

QUALITY: **Amstrong Ultra 650MC**
S650MC

STANDARD: **AM FCE**
EN 10149-2 (00-09-2013)

TERMS OF DELIVERY: **EN 10051 (2010)**

JITZ 1.74

ArcelorMittal Bremen GmbH, Postfach 210220, 28222 BREMEN

Oy AluSteel Ab

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23500 Uusikaupunki

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 23500 Uusikaupunki
 Finland
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 Finland

PRODUCT: hot rolled unpickled sheet QUALITY: **Amstrong Ultra 650MC** STANDARD: **AM FCE**
 TERMS OF DELIVERY: **EN 10051 (2010)** **S650MC** **EN 10149-2 (00-09-2013)**

JITZ 1.74

A08.2 ITEM	B09 THICKNES mm	B10 WIDTH mm	B11 LENGTH mm
10	10.00	1500.00	6000.00

A08.2 ITEM	B07.1 COILNO	B07.1 PART	B13 WEIGHT kg	B08 AMOUNT	B07.2 HEAT	CHEMICAL ANALYSIS																	
						C71	C73	C72	C74	C75	C81	C77	C76	C83	C84	C78	C82	C79	C80	C85	As	Sn	
						C %	Si %	Mn %	P %	S %	Cu %	Al %	N %	B %	V %	Ti %	Nb %	Cr %	Ni %	Mo %	As %	Sn %	
10	194785	00100	2075	3	062582	.0572	.0300	1.852	.0067	.0003	.0188	.0616	.0059	.0001	.0060	.1447	.0772	.0345	.0317	.0063	.0013	.0018	
	4643240																						
	194785	00200	2070	3	062582	.0572	.0300	1.852	.0067	.0003	.0188	.0616	.0059	.0001	.0060	.1447	.0772	.0345	.0317	.0063	.0013	.0018	
	4643241																						
	194785	00300	2070	3	062582	.0572	.0300	1.852	.0067	.0003	.0188	.0616	.0059	.0001	.0060	.1447	.0772	.0345	.0317	.0063	.0013	.0018	
	4643242																						
	194785	00400	2070	3	062582	.0572	.0300	1.852	.0067	.0003	.0188	.0616	.0059	.0001	.0060	.1447	.0772	.0345	.0317	.0063	.0013	.0018	
	4643243																						
	194785	00500	2070	3	062582	.0572	.0300	1.852	.0067	.0003	.0188	.0616	.0059	.0001	.0060	.1447	.0772	.0345	.0317	.0063	.0013	.0018	
	4643244																						
	194785	00600	2070	3	062582	.0572	.0300	1.852	.0067	.0003	.0188	.0616	.0059	.0001	.0060	.1447	.0772	.0345	.0317	.0063	.0013	.0018	
	4643245																						
	194785	00700	2075	3	062582	.0572	.0300	1.852	.0067	.0003	.0188	.0616	.0059	.0001	.0060	.1447	.0772	.0345	.0317	.0063	.0013	.0018	
	4643246																						
	194785	00800	2075	3	062582	.0572	.0300	1.852	.0067	.0003	.0188	.0616	.0059	.0001	.0060	.1447	.0772	.0345	.0317	.0063	.0013	.0018	
	4643247																						
	194785	00900	2075	3	062582	.0572	.0300	1.852	.0067	.0003	.0188	.0616	.0059	.0001	.0060	.1447	.0772	.0345	.0317	.0063	.0013	.0018	
	4643248																						
	194785	01000	2075	3	062582	.0572	.0300	1.852	.0067	.0003	.0188	.0616	.0059	.0001	.0060	.1447	.0772	.0345	.0317	.0063	.0013	.0018	
	4643249																						
	194785	01100	2080	3	062582	.0572	.0300	1.852	.0067	.0003	.0188	.0616	.0059	.0001	.0060	.1447	.0772	.0345	.0317	.0063	.0013	.0018	
	4643250																						
	194785	01200	2080	3	062582	.0572	.0300	1.852	.0067	.0003	.0188	.0616	.0059	.0001	.0060	.1447	.0772	.0345	.0317	.0063	.0013	.0018	
	4643263																						
	12		24885																				
TOTAL	12		24885																				

C02 test direction relating to rolling direction (0°= L; 90°= T)	C04 specimen condition V:aged F:fresh N:normalised	C50 bend test 1:good	C43 result in J related to specimensize (C44)
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 Finland

PRODUCT: hot rolled unpickled sheet QUALITY: **Amstrong Ultra 650MC** STANDARD: **AM FCE**
 TERMS OF DELIVERY: **EN 10051 (2010)** **S650MC** **EN 10149-2 (00-09-2013)**

JITZ 1.74

A08.2 ITEM	B09 THICKNES mm	B10 WIDTH mm	B11 LENGTH mm
10	10.00	1500.00	6000.00

A08.2 ITEM	B07.1 COIL NO	B07.1 PART	B13 WEIGHT kg	B08 AMOUNT	B07.2 HEAT	TENSILE TEST						BEND TEST	SHOCK TEST						
						C02	C04	C03	C11	C12	C13	C50	C44	C02	C03	C42	C42	C42	C43
						PR °	MAZ	Temp °C	yield p. Re MPa	strength Rm MPa	A95mm %	Fa	S0 cm ²	PR °	Temp °C	KV2_1 J	KV2_2 J	KV2_3 J	KV2_m J
10	194785	00100	2075	3	062582	0	F	20	704	769	21.5	1	.8	0	-20	139	151	156	148
	4643240																		
	194785	00200	2070	3	062582	0	F	20	704	769	21.5	1	.8	0	-20	139	151	156	148
	4643241																		
	194785	00300	2070	3	062582	0	F	20	704	769	21.5	1	.8	0	-20	139	151	156	148
	4643242																		
	194785	00400	2070	3	062582	0	F	20	704	769	21.5	1	.8	0	-20	139	151	156	148
	4643243																		
	194785	00500	2070	3	062582	0	F	20	704	769	21.5	1	.8	0	-20	139	151	156	148
	4643244																		
	194785	00600	2070	3	062582	0	F	20	704	769	21.5	1	.8	0	-20	139	151	156	148
	4643245																		
	194785	00700	2075	3	062582	0	F	20	704	769	21.5	1	.8	0	-20	139	151	156	148
	4643246																		
	194785	00800	2075	3	062582	0	F	20	704	769	21.5	1	.8	0	-20	139	151	156	148
	4643247																		
	194785	00900	2075	3	062582	0	F	20	704	769	21.5	1	.8	0	-20	139	151	156	148
	4643248																		
	194785	01000	2075	3	062582	0	F	20	704	769	21.5	1	.8	0	-20	139	151	156	148
	4643249																		
	194785	01100	2080	3	062582	0	F	20	704	769	21.5	1	.8	0	-20	139	151	156	148
	4643250																		
	194785	01200	2080	3	062582	0	F	20	704	769	21.5	1	.8	0	-20	139	151	156	148
	4643263																		
	12		24885																

C02 test direction relating to rolling direction (0°= L; 90°= T)	C04 specimen condition V: aged F: fresh N: normalised	C50 bend test 1: good	C43 result in J related to specimensize (C44)
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10	10.00	1500.00	6000.00

A08.2 ITEM	B07.1 COILNO	B07.1 PART	B13 WEIGHT kg	B08 AMOUNT	B07.2 HEAT	TENSILE TEST						BENDTEST	SHOCK TEST					
						C02 PR °	C04 MAZ	C03 Temp °C	C11 yield p. Re MPa	C12 strength Rm MPa	C13 A95mm %	C50 Fa	C44 S0 cm ²	C02 PR °	C03 Temp °C	C42 KV2_1 J	C42 KV2_2 J	C42 KV2_3 J
TOTAL		12	24885															

We certify hereby that the delivery complies with the above mentioned specification.

BREMEN 29.05.2019



QUALITY DEPARTMENT
 SITE EXPERT FOR INSPECTION
 Dr. Breitschuh

Breitschuh

C02 test direction relating to rolling direction (0°= L; 90°= T)	C04 specimen condition V:aged F:fresh N:normalised	C50 bend test 1:good	C43 result in J related to specimensize (C44)
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