



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
20190046705-00
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
DATE
0000880615
04.07.2019
A08.1 MANUFACTURER'S ORDER NR
DATE
AGENCY'S ORDER NR.
1944182
04.04.2019
FH92ALU005007

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 1.75

ArcelorMittal Bremen GmbH, Postfach 210220, 28222 BREMEN

Oy AluSteel Ab

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JITZ 1.75

A08.2 ITEM	B09 THICKNES mm	B10 WIDTH mm	B11 LENGTH mm
7	8.00	1500.00	3000.00

A08.2 ITEM	B07.1 COILNO	B07.1 PART	B13 WEIGHT kg	B08 AMOUNT	B07.2 HEAT	CHEMICAL ANALYSIS																	
						C71 C %	C73 Si %	C72 Mn %	C74 P %	C75 S %	C81 Cu %	C77 Al %	C76 N %	C83 B %	C84 V %	C78 Ti %	C82 Nb %	C79 Cr %	C80 Ni %	C85 Mo %	As %	Sn %	
7	194799	00100	2220	8	062582	.0572	.0300	1.852	.0067	.0003	.0188	.0616	.0059	.0001	.0060	.1447	.0772	.0345	.0317	.0063	.0013	.0018	
	4649621																						
	194799	00200	2215	8	062582	.0572	.0300	1.852	.0067	.0003	.0188	.0616	.0059	.0001	.0060	.1447	.0772	.0345	.0317	.0063	.0013	.0018	
	4649622																						
	194799	00300	2215	8	062582	.0572	.0300	1.852	.0067	.0003	.0188	.0616	.0059	.0001	.0060	.1447	.0772	.0345	.0317	.0063	.0013	.0018	
	4649623																						
	194799	00400	2210	8	062582	.0572	.0300	1.852	.0067	.0003	.0188	.0616	.0059	.0001	.0060	.1447	.0772	.0345	.0317	.0063	.0013	.0018	
	4649624																						
	194799	00500	2210	8	062582	.0572	.0300	1.852	.0067	.0003	.0188	.0616	.0059	.0001	.0060	.1447	.0772	.0345	.0317	.0063	.0013	.0018	
	4649625																						
	194799	00600	2220	8	062582	.0572	.0300	1.852	.0067	.0003	.0188	.0616	.0059	.0001	.0060	.1447	.0772	.0345	.0317	.0063	.0013	.0018	
	4649626																						
	194799	00700	2215	8	062582	.0572	.0300	1.852	.0067	.0003	.0188	.0616	.0059	.0001	.0060	.1447	.0772	.0345	.0317	.0063	.0013	.0018	
	4649642																						
	194799	00800	2215	8	062582	.0572	.0300	1.852	.0067	.0003	.0188	.0616	.0059	.0001	.0060	.1447	.0772	.0345	.0317	.0063	.0013	.0018	
	4649643																						
	194799	00900	2220	8	062582	.0572	.0300	1.852	.0067	.0003	.0188	.0616	.0059	.0001	.0060	.1447	.0772	.0345	.0317	.0063	.0013	.0018	
	4649644																						
	194799	01000	2220	8	062582	.0572	.0300	1.852	.0067	.0003	.0188	.0616	.0059	.0001	.0060	.1447	.0772	.0345	.0317	.0063	.0013	.0018	
	4649645																						
	194799	01100	2230	8	062582	.0572	.0300	1.852	.0067	.0003	.0188	.0616	.0059	.0001	.0060	.1447	.0772	.0345	.0317	.0063	.0013	.0018	
	4649646																						
	194799	01200	1390	5	062582	.0572	.0300	1.852	.0067	.0003	.0188	.0616	.0059	.0001	.0060	.1447	.0772	.0345	.0317	.0063	.0013	.0018	
	4649650																						
		12																					
TOTAL		12																					

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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 TERMS OF DELIVERY: **EN 10051 (2010)** **S650MC** **EN 10149-2 (00-09-2013)**

JITZ 1.75

A08.2 ITEM	B09 THICKNES mm	B10 WIDTH mm	B11 LENGTH mm
7	8.00	1500.00	3000.00

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 PR °	C04 MAZ	C03 Temp °C	C11 yield p. Re MPa	C12 strength Rm MPa	C13 A70mm %	C50 Fa	C44 S0 cm ²	C02 PR °	C03 Temp °C	C42 KV2_1 J	C42 KV2_2 J	C42 KV2_3 J	C43 KV2_m J
						0			MPa	MPa	%		cm ²	°	°C	J	J	J	J
7	194799	00100	2220	8	062582	0	F	20	702	753	19	1	.8	0	-20	161	172	196	176
	4649621																		
	194799	00200	2215	8	062582	0	F	20	702	753	19	1	.8	0	-20	161	172	196	176
	4649622																		
	194799	00300	2215	8	062582	0	F	20	702	753	19	1	.8	0	-20	161	172	196	176
	4649623																		
	194799	00400	2210	8	062582	0	F	20	702	753	19	1	.8	0	-20	161	172	196	176
	4649624																		
	194799	00500	2210	8	062582	0	F	20	702	753	19	1	.8	0	-20	161	172	196	176
	4649625																		
	194799	00600	2220	8	062582	0	F	20	702	753	19	1	.8	0	-20	161	172	196	176
	4649626																		
	194799	00700	2215	8	062582	0	F	20	702	753	19	1	.8	0	-20	161	172	196	176
	4649642																		
	194799	00800	2215	8	062582	0	F	20	702	753	19	1	.8	0	-20	161	172	196	176
	4649643																		
	194799	00900	2220	8	062582	0	F	20	702	753	19	1	.8	0	-20	161	172	196	176
	4649644																		
	194799	01000	2220	8	062582	0	F	20	702	753	19	1	.8	0	-20	161	172	196	176
	4649645																		
	194799	01100	2230	8	062582	0	F	20	702	753	19	1	.8	0	-20	161	172	196	176
	4649646																		
	194799	01200	1390	5	062582	0	F	20	702	753	19	1	.8	0	-20	161	172	196	176
	4649650																		
	12		25780																

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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7	8.00	1500.00	3000.00

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 A70mm %	C50 Fa	C44 S0 cm ²	C02 PR °	C03 Temp °C	C42 KV2_1 J	C42 KV2_2 J
TOTAL		12	25780														

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

BREMEN 04.07.2019



QUALITY DEPARTMENT
 SITE EXPERT FOR INSPECTION
 Bruns

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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