



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
20220050399-00

Inspection certificate 3.1 EN 10204

A05 ORIGINATOR OF THE DOCUMENT
ArcelorMittal Bremen GmbH
Carl-Benz-Straße 30, 28237 Bremen
zeugnisse.bremen@arcelormittal.com
Telefon 0421/6482813

A09 DISPATCH NOTE
DATE
0000230523
08.07.2022

A08.1 MANUFACTURER'S ORDER NR
DATE
AGENCY'S ORDER NR.
2217161
08.03.2022
GH22ALL005004

A07 CUSTOMER'S ORDER NUMBER
42005/42005/4

A10 PART NUMBER
2388540

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 pickled sheet

QUALITY: **Amstrong® Ultra 650MC**
S650MC

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

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

JITZ 1.79

ArcelorMittal Bremen GmbH, Postfach 210220, 28222 BREMEN

Oy AluSteel Ab

Telakkatie 4

23500 Uusikaupunki

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

JITZ 1.79

A08.2 ITEM	B09 THICKNES mm	B10 WIDTH mm	B11 LENGTH mm
4	6.00	1500.00	3000.00

A08.2 ITEM	B07.1 COILNO	B07.1 PART	B13 WEIGHT kg	B08 AMOUNT	B07.2 HEAT	CHEMICAL ANALYSIS																	
						C71	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 %			
4	166767	00100	2280	11	048319	.0574	.0259	1.843	.0102	.0016	.0311	.0492	.0052	.0001	.0029	.1470	.0703	.0289	.0325	.0043	.0024	.0030	
						4970191	048319	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	166767	00200	2280	11	048319	.0574	.0259	1.843	.0102	.0016	.0311	.0492	.0052	.0001	.0029	.1470	.0703	.0289	.0325	.0043	.0024	.0030	
						4970192	048319	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	166767	00300	2270	11	048319	.0574	.0259	1.843	.0102	.0016	.0311	.0492	.0052	.0001	.0029	.1470	.0703	.0289	.0325	.0043	.0024	.0030	
						4970193	048319	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	166767	00400	2275	11	048319	.0574	.0259	1.843	.0102	.0016	.0311	.0492	.0052	.0001	.0029	.1470	.0703	.0289	.0325	.0043	.0024	.0030	
						4970194	048319	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	166767	00500	2270	11	048319	.0574	.0259	1.843	.0102	.0016	.0311	.0492	.0052	.0001	.0029	.1470	.0703	.0289	.0325	.0043	.0024	.0030	
						4970195	048319	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	166767	00600	2270	11	048319	.0574	.0259	1.843	.0102	.0016	.0311	.0492	.0052	.0001	.0029	.1470	.0703	.0289	.0325	.0043	.0024	.0030	
						4970196	048319	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	166767	00700	2280	11	048319	.0574	.0259	1.843	.0102	.0016	.0311	.0492	.0052	.0001	.0029	.1470	.0703	.0289	.0325	.0043	.0024	.0030	
						4970197	048319	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	166767	00800	2275	11	048319	.0574	.0259	1.843	.0102	.0016	.0311	.0492	.0052	.0001	.0029	.1470	.0703	.0289	.0325	.0043	.0024	.0030	
						4970198	048319	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	166767	00900	2275	11	048319	.0574	.0259	1.843	.0102	.0016	.0311	.0492	.0052	.0001	.0029	.1470	.0703	.0289	.0325	.0043	.0024	.0030	
						4970199	048319	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	166767	01000	2275	11	048319	.0574	.0259	1.843	.0102	.0016	.0311	.0492	.0052	.0001	.0029	.1470	.0703	.0289	.0325	.0043	.0024	.0030	
						4970200	048319	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	166767	01100	2280	11	048319	.0574	.0259	1.843	.0102	.0016	.0311	.0492	.0052	.0001	.0029	.1470	.0703	.0289	.0325	.0043	.0024	.0030	
						4970201	048319	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	166767	01200	2280	11	048319	.0574	.0259	1.843	.0102	.0016	.0311	.0492	.0052	.0001	.0029	.1470	.0703	.0289	.0325	.0043	.0024	.0030	
						4970202	048319	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000

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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Oy AluSteel Ab
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23500 Uusikaupunki
Finnland
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Oy AluSteel Ab
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23500 UUSIKAUPUNKI
Finnland

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

JITZ 1.79

A08.2 ITEM	B09 THICKNESS mm	B10 WIDTH mm	B11 LENGTH mm
4	6.00	1500.00	3000.00

A08.2 ITEM	B07.1 COILNO	B07.1 PART	B13 WEIGHT kg	B08 AMOUNT	B07.2 HEAT	CHEMICAL ANALYSIS																	
						C71	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 %	
4	166767	01300	1035	5	048319	.0574	.0259	1.843	.0102	.0016	.0311	.0492	.0052	.0001	.0029	.1470	.0703	.0289	.0325	.0043	.0024	.0030	
	4970213				048319	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	
	13		28345																				
TOTAL	13		28345																				

A08.2 ITEM	B07.1 COILNO	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. strength Re MPa	strength Rm MPa	A60mm %	Fa	S0 cm²	PR °	Temp °C	KV2VP_1 J	KV2VP_2 J	KV2VP_3 J	KV2VP_m J
4	166767	00100	2280	11	048319	0	F	20	695	774	19.5	1	.8	0	-20	140	150	152	147
	4970191				048319	90	F	20	696	765	17.5								
	166767	00200	2280	11	048319	0	F	20	695	774	19.5	1	.8	0	-20	140	150	152	147
	4970192				048319	90	F	20	696	765	17.5								
	166767	00300	2270	11	048319	0	F	20	695	774	19.5	1	.8	0	-20	140	150	152	147
	4970193				048319	90	F	20	696	765	17.5								
	166767	00400	2275	11	048319	0	F	20	695	774	19.5	1	.8	0	-20	140	150	152	147
	4970194				048319	90	F	20	696	765	17.5								
	166767	00500	2270	11	048319	0	F	20	695	774	19.5	1	.8	0	-20	140	150	152	147
	4970195				048319	90	F	20	696	765	17.5								
	166767	00600	2270	11	048319	0	F	20	695	774	19.5	1	.8	0	-20	140	150	152	147
	4970196				048319	90	F	20	696	765	17.5								
	166767	00700	2280	11	048319	0	F	20	695	774	19.5	1	.8	0	-20	140	150	152	147
	4970197				048319	90	F	20	696	765	17.5								

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 specimen size (C44)



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A08.2 ITEM	B09 THICKNES mm	B10 WIDTH mm	B11 LENGTH mm
4	6.00	1500.00	3000.00

A08.2 ITEM	B07.1 COILNO	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 Re MPa	p. strength Rm MPa	A60mm %	Fa	S0 cm ²	PR °	Temp °C	KV2VP_1 J	KV2VP_2 J	KV2VP_3 J	KV2VP_m J
4	166767	00800	2275	11	048319	0	F	20	695	774	19.5	1	.8	0	-20	140	150	152	147
	4970198				048319	90	F	20	696	765	17.5								
	166767	00900	2275	11	048319	0	F	20	695	774	19.5	1	.8	0	-20	140	150	152	147
	4970199				048319	90	F	20	696	765	17.5								
	166767	01000	2275	11	048319	0	F	20	695	774	19.5	1	.8	0	-20	140	150	152	147
	4970200				048319	90	F	20	696	765	17.5								
	166767	01100	2280	11	048319	0	F	20	695	774	19.5	1	.8	0	-20	140	150	152	147
	4970201				048319	90	F	20	696	765	17.5								
	166767	01200	2280	11	048319	0	F	20	695	774	19.5	1	.8	0	-20	140	150	152	147
	4970202				048319	90	F	20	696	765	17.5								
	166767	01300	1035	5	048319	0	F	20	695	774	19.5	1	.8	0	-20	140	150	152	147
	4970213				048319	90	F	20	696	765	17.5								
		13			28345														
TOTAL		13			28345														

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


 BREMEN 08.07.2022

QUALITY DEPARTMENT
 SITE EXPERT FOR INSPECTION
 Witt

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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