ArcelorMittal

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

A02 CERTIFICATE

A03 Page: 01/ 03

20180023951-00

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 **17118712**
DATE 22.03.2018

A08.1 MANUFACTURER'S ORDER NR **1711871**
DATE 22.11.2017
AGENCY'S ORDER NR. FH81ALU004002

A07 CUSTOMER'S ORDER NUMBER
41514

A06.1 CUSTOMER
Oy AluSteel Ab

Telakkatie 4
23500 Uusikaupunki
Finnland

A06.2 CONSIGNEE
Oy AluSteel Ab

Hepokarintie 9
23500 UUSIKAUPUNKI
Finnland

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

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Oy AluSteel Ab

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A08.2 ITEM	B09 THICKNES mm	B10 WIDTH mm
2	10.00	1500.00

A08.2 ITEM	B07.1 COILNO	B07.1 PART	B13 WEIGHT kg	B07.2 HEAT	CHEMICAL ANALYSIS C71 C %	C73 Si %	C72 Mn %	C74 P %	C75 S %	Cu %	C77 Al %	C76 N %	B %	V %	Ti %	Nb %	Cr %	Ni %	Mo %	As %	Sn %
2	**223779**	00000	23740	**047995**	.0607	.0240	1.859	.0069	.0017	.0138	.0415	.0022	.0001	.0054	.1290	.0663	.0342	.0324	.0050	.0008	.0016
	223779	00100	1740	**047995**	.0607	.0240	1.859	.0069	.0017	.0138	.0415	.0022	.0001	.0054	.1290	.0663	.0342	.0324	.0050	.0008	.0016
	223779	00300	2430	**047995**	.0607	.0240	1.859	.0069	.0017	.0138	.0415	.0022	.0001	.0054	.1290	.0663	.0342	.0324	.0050	.0008	.0016
	223779	00400	2430	**047995**	.0607	.0240	1.859	.0069	.0017	.0138	.0415	.0022	.0001	.0054	.1290	.0663	.0342	.0324	.0050	.0008	.0016
	223779	00500	2425	**047995**	.0607	.0240	1.859	.0069	.0017	.0138	.0415	.0022	.0001	.0054	.1290	.0663	.0342	.0324	.0050	.0008	.0016
	223779	00600	2430	**047995**	.0607	.0240	1.859	.0069	.0017	.0138	.0415	.0022	.0001	.0054	.1290	.0663	.0342	.0324	.0050	.0008	.0016
	223779	00700	2430	**047995**	.0607	.0240	1.859	.0069	.0017	.0138	.0415	.0022	.0001	.0054	.1290	.0663	.0342	.0324	.0050	.0008	.0016
	223779	00800	2425	**047995**	.0607	.0240	1.859	.0069	.0017	.0138	.0415	.0022	.0001	.0054	.1290	.0663	.0342	.0324	.0050	.0008	.0016
	223779	00900	2430	**047995**	.0607	.0240	1.859	.0069	.0017	.0138	.0415	.0022	.0001	.0054	.1290	.0663	.0342	.0324	.0050	.0008	.0016
	223779	01000	1400	**047995**	.0607	.0240	1.859	.0069	.0017	.0138	.0415	.0022	.0001	.0054	.1290	.0663	.0342	.0324	.0050	.0008	.0016
	10		43880																		
TOTAL	10		43880																		

A08.2 ITEM	B07.1 COILNO	B07.1 PART	B13 WEIGHT kg	B07.2 HEAT	TENSILE TEST C02 PR °	C03 Temp °C	C11 yield p. Re MPa	C12 strength Rm MPa	C13 A95mm %	BENDTEST C50 Fa	SHOCK TEST C44 S0 cm²	C02 PR °	C03 Temp °C	C42 KV2_1 J	C42 KV2_2 J	C42 KV2_3 J	C43 KV2_m J
2	**223779**	00000	23740	**047995**	0	20	665	718	22	1	.8	0	-20	152	148	139	146
	223779	00100	1740	**047995**	0	20	665	718	22	1	.8	0	-20	152	148	139	146
	223779	00300	2430	**047995**	0	20	665	718	22	1	.8	0	-20	152	148	139	146
	223779	00400	2430	**047995**	0	20	665	718	22	1	.8	0	-20	152	148	139	146
	223779	00500	2425	**047995**	0	20	665	718	22	1	.8	0	-20	152	148	139	146
	223779	00600	2430	**047995**	0	20	665	718	22	1	.8	0	-20	152	148	139	146

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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2	10.00	1500.00

A08.2 ITEM	B07.1 COILNO	B07.1 PART	B13 WEIGHT kg	B07.2 HEAT	TENSILE TEST C02 PR °	C03 Temp °C	C11 yield p. Re MPa	C12 strength Rm MPa	C13 A95mm %	BENDTEST C50 Fa	SHOCK TEST C44 S0 cm²	C02 PR °	C03 Temp °C	C42 KV2_1 J	C42 KV2_2 J	C42 KV2_3 J	C43 KV2_m J
2	**223779**	00700	2430	**047995**	0	20	665	718	22	1	.8	0	-20	152	148	139	146
	223779	00800	2425	**047995**	0	20	665	718	22	1	.8	0	-20	152	148	139	146
	223779	00900	2430	**047995**	0	20	665	718	22	1	.8	0	-20	152	148	139	146
	223779	01000	1400	**047995**	0	20	665	718	22	1	.8	0	-20	152	148	139	146
	10		43880														
TOTAL	10		43880														

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

BREMEN 22.03.2018

QUALITY DEPARTMENT
SITE EXPERT FOR INSPECTION
Hoppe

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