



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
20180050041-00
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 03.07.2018
SHIP
KAILI
A08.1 MANUFACTURER'S ORDER NR **1824878**
DATE 09.04.2018
AGENCY'S ORDER NR. FH82ALU007004
A07 CUSTOMER'S ORDER NUMBER
42979

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 pickled coil

QUALITY: **AMSTRONG 355MC**
S355MC

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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 Telakkatie 4
 23500 Uusikaupunki
 Finland
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 23500 UUSIKAUPUNKI
 Finland

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

A08.2 ITEM	B07.1 COILNO	B07.1 PART	B13 WEIGHT kg	B07.2 HEAT	CHEMICAL ANALYSIS																				
					C71	C73	C72	C74	C75		C77	C76													
					C %	Si %	Mn %	P %	S %	Cu %	Al %	N %	B %	V %	Ti %	Nb %	Cr %	Ni %	Mo %	As %	Sn %				
4	451048	50000	30400	052230	.0715	.0116	.5417	.0133	.0062	.0055	.0352	.0054	.0001	.0020	.0012	.0212	.0221	.0239	.0018	.0011	.0009				
	451049	50000	30400	052230	.0715	.0116	.5417	.0133	.0062	.0055	.0352	.0054	.0001	.0020	.0012	.0212	.0221	.0239	.0018	.0011	.0009				
	451050	50000	34200	052230	.0715	.0116	.5417	.0133	.0062	.0055	.0352	.0054	.0001	.0020	.0012	.0212	.0221	.0239	.0018	.0011	.0009				
	451051	50000	34020	052231	.0696	.0123	.5426	.0115	.0058	.0055	.0342	.0056	.0001	.0015	.0012	.0229	.0192	.0239	.0016	.0010	.0008				
	451052	50000	34020	052231	.0696	.0123	.5426	.0115	.0058	.0055	.0342	.0056	.0001	.0015	.0012	.0229	.0192	.0239	.0016	.0010	.0008				
	451053	50000	30380	052230	.0715	.0116	.5417	.0133	.0062	.0055	.0352	.0054	.0001	.0020	.0012	.0212	.0221	.0239	.0018	.0011	.0009				
	451054	50000	29780	052230	.0715	.0116	.5417	.0133	.0062	.0055	.0352	.0054	.0001	.0020	.0012	.0212	.0221	.0239	.0018	.0011	.0009				
		7	223200																						
TOTAL		7	223200																						

A08.2 ITEM	B07.1 COILNO	B07.1 PART	B13 WEIGHT kg	B07.2 HEAT	TENSILE TEST							BENDTEST		SHOCK TEST					
					C02	C03	C11	C12	C13	C50	C44	C02	C03	C42	C42	C42	C43		
					PR	Temp °C	yield p. Re MPa	strength Rm MPa	A60mm %	Fa	S0 cm ²	PR	Temp °C	KV2_1 J	KV2_2 J	KV2_3 J	KV2_m J		
4	451048	50000	30400	052230	0	20	380	468	33.5	1	.8	0	-20	208	206	174	196		
	451049	50000	30400	052230	0	20	380	468	33.5	1	.8	0	-20	208	206	174	196		
	451050	50000	34200	052230	0	20	380	468	33.5	1	.8	0	-20	208	206	174	196		
	451051	50000	34020	052231	0	20	406	489	34	1	.8	0	-20	214	224	190	209		
	451052	50000	34020	052231	0	20	404	488	34	1	.8	0	-20	210	208	204	207		
	451053	50000	30380	052230	0	20	401	486	34	1	.8	0	-20	212	216	196	208		
	451054	50000	29780	052230	0	20	401	486	34	1	.8	0	-20	212	216	196	208		
		7	223200																

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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4	6.00	1500.00

A08.2 ITEM	B07.1 COILNO	B07.1 PART	B13 WEIGHT kg	B07.2 HEAT	TENSILE TEST					BENDTEST	SHOCK TEST					
					C02 PR °	C03 Temp °C	C11 yield p. Re MPa	C12 strength Rm MPa	C13 A60mm %	C50 Fa	C44 S0 cm ²	C02 PR °	C03 Temp °C	C42 KV2_1 J	C42 KV2_2 J	C42 KV2_3 J
TOTAL		7	223200													

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

BREMEN 04.07.2018



QUALITY DEPARTMENT
 SITE EXPERT FOR INSPECTION
 Kramer

Juukas Kramer

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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