



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
20180050040-00
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. FH82ALU007003
A07 CUSTOMER'S ORDER NUMBER
42979

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 coil
QUALITY: **AMSTRONG 355MC**
STANDARD: **AM FCE**
TERMS OF DELIVERY: **EN 10051 (2010)**
S355MC
EN 10149-2 (00-09-2013)

JITZ 1.74

ArcelorMittal Bremen GmbH, Postfach 210220, 28222 BREMEN

Oy AluSteel Ab

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A08.2 ITEM	B09 THICKNES mm	B10 WIDTH mm
3	5.00	1500.00

A08.2 ITEM	B07.1 COILNO	B07.1 PART	B13 WEIGHT kg	B07.2 HEAT	CHEMICAL ANALYSIS																		
					C71	C73	C72	C74	C75	Cu	C77	C76	B	V	Ti	Nb	Cr	Ni	Mo	As	Sn		
					C %	Si %	Mn %	P %	S %	Cu %	Al %	N %	B %	V %	Ti %	Nb %	Cr %	Ni %	Mo %	As %	Sn %		
3	451057	50000	34020	052229	.0732	.0133	.5256	.0105	.0055	.0059	.0387	.0045	.0001	.0011	.0010	.0224	.0186	.0235	.0012	.0010	.0005		
	451058	50000	26640	052228	.0696	.0150	.5342	.0101	.0045	.0063	.0282	.0057	.0001	.0015	.0016	.0226	.0203	.0246	.0019	.0010	.0010		
	451059	50000	25520	052229	.0732	.0133	.5256	.0105	.0055	.0059	.0387	.0045	.0001	.0011	.0010	.0224	.0186	.0235	.0012	.0010	.0005		
	451060	50000	34420	052229	.0732	.0133	.5256	.0105	.0055	.0059	.0387	.0045	.0001	.0011	.0010	.0224	.0186	.0235	.0012	.0010	.0005		
	451061	50000	34260	052229	.0732	.0133	.5256	.0105	.0055	.0059	.0387	.0045	.0001	.0011	.0010	.0224	.0186	.0235	.0012	.0010	.0005		
	451062	50000	34020	052228	.0696	.0150	.5342	.0101	.0045	.0063	.0282	.0057	.0001	.0015	.0016	.0226	.0203	.0246	.0019	.0010	.0010		
	451063	50000	30420	052228	.0696	.0150	.5342	.0101	.0045	.0063	.0282	.0057	.0001	.0015	.0016	.0226	.0203	.0246	.0019	.0010	.0010		
		7	219300																				
TOTAL		7	219300																				

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	A55mm %	Fa	S0 cm²	PR	Temp °C	KV2_1 J	KV2_2 J	KV2_3 J	KV2_m J		
3	451057	50000	34020	052229	0	20	401	486	34	1	.8	0	-20	203	211	205	206		
	451058	50000	26640	052228	0	20	405	488	34	1	.8	0	-20	203	199	195	199		
	451059	50000	25520	052229	0	20	402	487	34	1	.8	0	-20	189	189	181	186		
	451060	50000	34420	052229	0	20	402	487	34	1	.8	0	-20	189	189	181	186		
	451061	50000	34260	052229	0	20	402	487	34	1	.8	0	-20	185	205	187	192		
	451062	50000	34020	052228	0	20	405	488	34	1	.8	0	-20	203	199	195	199		
	451063	50000	30420	052228	0	20	405	488	34	1	.8	0	-20	203	199	195	199		
		7	219300																

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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3	5.00	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 A55mm %	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	219300													

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

BREMEN 04.07.2018



QUALITY DEPARTMENT
 SITE EXPERT FOR INSPECTION
 Kramer

Juho 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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