



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  
**20180060795-00**  
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 0000748850  
SHIP 14.08.2018  
MALENA  
A08.1 MANUFACTURER'S ORDER NR **1822711**  
DATE 04.05.2018  
AGENCY'S ORDER NR. FH83ALU001003

A07 CUSTOMER'S ORDER NUMBER  
17437

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**  
**S355MC**

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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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

A08.2 ITEM	B09 THICKNESS 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	<b>564025</b>	50000	29440	<b>714146</b>	.0677	.0071	.5488	.0111	.0072	.0225	.0302	.0044	0.0000	.0001	.0003	.0221	.0247	.0136	.0014	.0014	.0037		
	<b>564026</b>	50000	29420	<b>714143</b>	.0722	.0085	.5332	.0118	.0074	.0177	.0350	.0057	0.0000	.0001	.0005	.0228	.0485	.0125	.0016	.0012	.0047		
	<b>564027</b>	50000	29460	<b>714146</b>	.0677	.0071	.5488	.0111	.0072	.0225	.0302	.0044	0.0000	.0001	.0003	.0221	.0247	.0136	.0014	.0014	.0037		
	<b>580026</b>	50100	17200	<b>714143</b>	.0722	.0085	.5332	.0118	.0074	.0177	.0350	.0057	0.0000	.0001	.0005	.0228	.0485	.0125	.0016	.0012	.0047		
	<b>580027</b>	50000	29320	<b>714144</b>	.0708	.0081	.5481	.0130	.0064	.0119	.0307	.0050	0.0000	.0001	.0005	.0233	.0356	.0109	.0009	.0010	.0036		
	<b>583114</b>	50000	29440	<b>714145</b>	.0687	.0071	.5492	.0131	.0071	.0155	.0292	.0037	0.0000	.0002	.0004	.0237	.0265	.0118	.0008	.0012	.0018		
	<b>583115</b>	50000	29480	<b>714145</b>	.0687	.0071	.5492	.0131	.0071	.0155	.0292	.0037	0.0000	.0002	.0004	.0237	.0265	.0118	.0008	.0012	.0018		
	<b>583116</b>	50000	29480	<b>714144</b>	.0708	.0081	.5481	.0130	.0064	.0119	.0307	.0050	0.0000	.0001	.0005	.0233	.0356	.0109	.0009	.0010	.0036		
		8	223240																				
TOTAL		8	223240																				

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	<b>564025</b>	50000	29440	<b>714146</b>	0	20	401	485	34	1	.8	0	-20	183	185	198	188
	<b>564026</b>	50000	29420	<b>714143</b>	0	20	405	490	34	1	.8	0	-20	168	179	196	181
	<b>564027</b>	50000	29460	<b>714146</b>	0	20	401	484	34	1	.8	0	-20	189	192	181	187
	<b>580026</b>	50100	17200	<b>714143</b>	0	20	408	491	34	1	.8	0	-20	196	194	210	200
	<b>580027</b>	50000	29320	<b>714144</b>	0	20	409	491	34	1	.8	0	-20	185	196	213	198
	<b>583114</b>	50000	29440	<b>714145</b>	0	20	405	488	34	1	.8	0	-20	196	186	184	188
	<b>583115</b>	50000	29480	<b>714145</b>	0	20	405	488	34	1	.8	0	-20	187	206	196	196
	<b>583116</b>	50000	29480	<b>714144</b>	0	20	407	490	34	1	.8	0	-20	197	199	217	204

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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JITZ 1.74

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

A08.2	B07.1	B07.1	B13	B07.2	TENSILE TEST					BENDTEST	SHOCK TEST									
					C02	C03	C11	C12	C13	C50	C44	C02	C03	C42	C42	C42	C43			
ITEM	COILNO	PART	WEIGHT	HEAT	PR	Temp	yield	p.	strength	Rm	A55mm	Fa	S0	PR	Temp	KV2_1	KV2_2	KV2_3	KV2_m	
			kg		°	°C	Re		MPa	MPa	%		cm <sup>2</sup>	°	°C	J	J	J	J	
3	8		223240																	
<b>TOTAL</b>	<b>8</b>		<b>223240</b>																	

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

BREMEN 15.08.2018



QUALITY DEPARTMENT  
 SITE EXPERT FOR INSPECTION  
 Kramer

*Jarkko 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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