



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

A02  
CERTIFICATE  
A03 Page: 01 / 02  
**20180022709-00**  
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 0000688130  
SHIP 16.03.2018  
RMS SAIMAA  
A08.1 MANUFACTURER'S ORDER NR 1711709  
DATE 22.11.2017  
AGENCY'S ORDER NR. FH81ALU003013

A07 CUSTOMER'S ORDER NUMBER  
41514

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 unpickled coil

QUALITY: AMSTRONG 355MC-MASC  
S355MC

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

TERMS OF DELIVERY: EN 10051 (2010)

JITZ 1.74

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

JITZ 1.74

A08.2 ITEM	B09 THICKNES mm	B10 WIDTH mm
13	15.00	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	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 %	
13	<b>229753</b>	00000	26600	<b>047793</b>	.0772	.0127	.9708	.0088	.0036	.0129	.0358	.0039	.0001	.0008	.0015	.0500	.0392	.0353	.0054	.0013	.0015	
	<b>229759</b>	00000	28210	<b>047796</b>	.0743	.0117	.9598	.0108	.0050	.0154	.0329	.0048	.0001	.0023	.0015	.0486	.0361	.0349	.0049	.0014	.0015	
	<b>229760</b>	00000	22850	<b>047796</b>	.0743	.0117	.9598	.0108	.0050	.0154	.0329	.0048	.0001	.0023	.0015	.0486	.0361	.0349	.0049	.0014	.0015	
	<b>408951</b>	00000	28480	<b>048508</b>	.0757	.0208	.9288	.0120	.0027	.0183	.0406	.0051	.0001	.0010	.0018	.0505	.0472	.0404	.0065	.0016	.0020	
		4	106140																			
TOTAL		4	106140																			

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	Al20mm %	Fa	S0 cm²	PR °	Temp °C	KV2_1 J	KV2_2 J	KV2_3 J	KV2_m J
13	<b>229753</b>	00000	26600	<b>047793</b>	0	20	400	497	32	1	.8	0	-20	221	237	261	239
	<b>229759</b>	00000	28210	<b>047796</b>	0	20	417	502	31.5	1	.8	0	-20	258	229	195	227
	<b>229760</b>	00000	22850	<b>047796</b>	0	20	417	502	31.5	1	.8	0	-20	258	229	195	227
	<b>408951</b>	00000	28480	<b>048508</b>	0	20	423	510	30	1	.8	0	-20	197	211	206	204
		4	106140														
TOTAL		4	106140														

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

BREMEN 19.03.2018



QUALITY DEPARTMENT  
 SITE EXPERT FOR INSPECTION  
 Dr. Breitschuh

*Breitschuh*

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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