

C E R T I F I C A T E

Päiväys: 6.3.2017

Meidän tilausnumero: 0394316
Asiakkaan tilausnumero: R.Wessman 001566

TAMMINIITTY OY
ATT: AINE
RAKENTAJANTIE 1
FI-27510 EURA


Rivi	Tuote	Kuvaus	Viite	Sulatusnumero
6	2101430502	S355MC 15X1500X3000 MM		26823

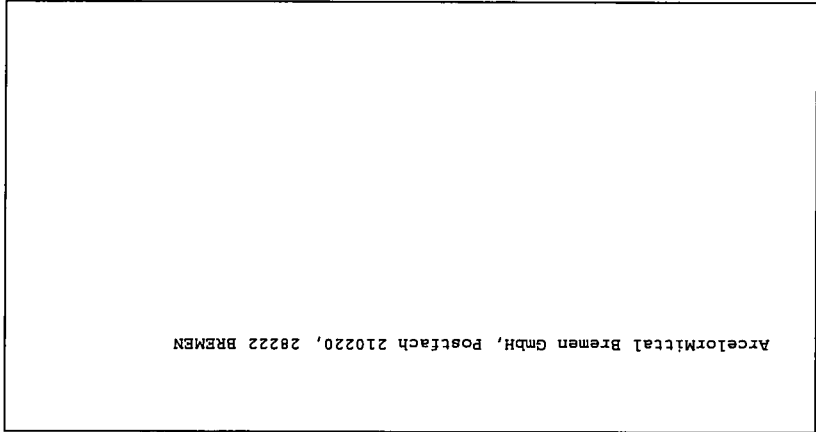
Pyydetyt todistukset yllä oleville tilauksille lähetetään teille.

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 <p>ArcelorMittal ArcelorMittal Bremen GmbH Postfach 210220 28222 BREMEN Carl-Benz-Strasse 30 28237 BREMEN Telefon 0421/6480 Telefax 0421/6482251</p>	<p>A02 CERTIFICATE Inspection certificate 3.1 EN 10204</p> <p>A03 Page: 01/ 06 20160058350-00</p> <p>A05 ORIGINATOR OF THE DOCUMENT ArcelorMittal Bremen GmbH Abnahme/Zeugnisschreibung zeugnisse.bremen@arcelormittal.com Telefon 0421/6482813</p>	<p>A09 DISPATCH NOTE DATE 0000432135 SHIP 12.08.2016 FRANCISCA</p> <p>A08.1 MANUFACTURER'S ORDER NR 1666716 DATE 01.04.2016 AGENCY'S ORDER NR. FH6FLEP004013</p> <p>A07 CUSTOMER'S ORDER NUMBER TL-927/16</p>	<p style="text-align: right;">7049816</p>
<p>PRODUCT: hot rolled unpickled sheet</p> <p>TERMS OF DELIVERY: EN 10051 (2010)</p>		<p>STANDARD: AM FCE EN 10149-2 (00-09-1995)</p>	
		<p>JITZ 1.73</p>	



Arcelormittal Bremen GmbH, Postfach 210220, 28222 BREMEN



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A02
CERTIFICATE
 20160058350-00

Inspection certificate 3.1 EN 10204

A03
 Page: 02 / 06

A09 DISPATCH NOTE
 DATE
 SHIP
 FRANCISCA

0000432135
 12.08.2016

A08.1 MANUFACTURER'S ORDER NR
 DATE
 AGENCY'S ORDER NR.

1666716
 01.04.2016
 FH6FLEP004013

A05 ORIGINATOR OF THE DOCUMENT
 ArcelorMittal Bremen GmbH
 Abnahme/Zugnißschreibung
 zeugnisse.bremen@arcelormittal.com
 Telefon 0421/6482813

A07 CUSTOMER'S ORDER NUMBER
 TL-927/16

PRODUCT: hot rolled unpickled sheet

QUALITY: AMSTRONG 355MC
 S355MC

STANDARD: AM FCE
 EN 10149-2 (00-09-1995)

TERMS OF DELIVERY: EN 10051 (2010)

JITZ 1.73

A08.2 ITEM	B09 THICKNESS mm	B10 WIDTH mm	B11 LENGTH mm
13	15.00	1500.00	3000.00

A08.2 ITEM	B07.1 COIL NO	B08 PART	B13 WEIGHT kg	B07.2 HEAT	CHEMICAL ANALYSIS																Sn
					C	Si	Mn	P	S	Cu	Al	N	B	V	Ti	Nb	Cr	Ni	Mo	AS	
			2660	5026438	.0749	.0195	.9388	.0091	.0017	.0149	.0399	.0063	.0003	.0001	.0019	.0526	.0333	.0358	.0044	.0011	.0014
			2665	5026438	.0749	.0195	.9388	.0091	.0017	.0149	.0399	.0063	.0003	.0001	.0019	.0526	.0333	.0358	.0044	.0011	.0014
			2665	5026438	.0749	.0195	.9388	.0091	.0017	.0149	.0399	.0063	.0003	.0001	.0019	.0526	.0333	.0358	.0044	.0011	.0014
			2665	5026438	.0749	.0195	.9388	.0091	.0017	.0149	.0399	.0063	.0003	.0001	.0019	.0526	.0333	.0358	.0044	.0011	.0014
			2665	5026438	.0749	.0195	.9388	.0091	.0017	.0149	.0399	.0063	.0003	.0001	.0019	.0526	.0333	.0358	.0044	.0011	.0014
			2665	5026438	.0749	.0195	.9388	.0091	.0017	.0149	.0399	.0063	.0003	.0001	.0019	.0526	.0333	.0358	.0044	.0011	.0014
			2665	5026438	.0749	.0195	.9388	.0091	.0017	.0149	.0399	.0063	.0003	.0001	.0019	.0526	.0333	.0358	.0044	.0011	.0014
			2665	5026438	.0749	.0195	.9388	.0091	.0017	.0149	.0399	.0063	.0003	.0001	.0019	.0526	.0333	.0358	.0044	.0011	.0014
			2665	5026438	.0749	.0195	.9388	.0091	.0017	.0149	.0399	.0063	.0003	.0001	.0019	.0526	.0333	.0358	.0044	.0011	.0014
			2665	5026438	.0749	.0195	.9388	.0091	.0017	.0149	.0399	.0063	.0003	.0001	.0019	.0526	.0333	.0358	.0044	.0011	.0014
			2665	5026438	.0749	.0195	.9388	.0091	.0017	.0149	.0399	.0063	.0003	.0001	.0019	.0526	.0333	.0358	.0044	.0011	.0014
			2665	5026438	.0749	.0195	.9388	.0091	.0017	.0149	.0399	.0063	.0003	.0001	.0019	.0526	.0333	.0358	.0044	.0011	.0014
			2665	5026438	.0749	.0195	.9388	.0091	.0017	.0149	.0399	.0063	.0003	.0001	.0019	.0526	.0333	.0358	.0044	.0011	.0014
			2665	5026438	.0749	.0195	.9388	.0091	.0017	.0149	.0399	.0063	.0003	.0001	.0019	.0526	.0333	.0358	.0044	.0011	.0014

C02 test direction
 relating to rolling direction (0°= L; 90°= T)

C04 specimen condition
 V: aged F: fresh N: normalized

C50 bend test
 1: good

C43 result in J
 related to specimen size (C44)

ArcelorMittal

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A03 Page: 03 / 06
CERTIFICATE **20160058350-00**

Inspection certificate 3.1 EN 10204

A05 ORIGINATOR OF THE DOCUMENT
ArcelorMittal Bremen GmbH
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A09 DISPATCH NOTE
DATE 12.08.2016
SHIP FRANCISCA

A08.1 MANUFACTURER'S ORDER NR **1666716**
DATE 01.04.2016
AGENCY'S ORDER NR. FH6FLEP004013

A07 CUSTOMER'S ORDER NUMBER
TL-927/16

PRODUCT: hot rolled unpickled sheet

QUALITY: **AMSTRONG 355MC** STANDARD: **AM FCE**

TERMS OF DELIVERY: **EN 10051 (2010)** EN 10149-2 (00-09-1995)

JITZ 1.73

ITEM	B09 THICKNESS mm	B10 WIDTH mm	B11 LENGTH mm
13	15.00	1500.00	3000.00


A08.2 ITEM	B07.1 COILNO	B07.2 PART	B08 WEIGHT	B13 HEAT	CHEMICAL ANALYSIS																
					C	Si	Mn	P	S	Cl	Al	N	B	V	Ti	Nb	Cr	Ni	Mo	As	Sn
13	166735	00600	2670	5 026438	.0749	.0195	.9388	.0091	.0017	.0149	.0399	.0063	.0003	.0001	.0019	.0526	.0333	.0358	.0044	.0011	.0014
	4370548																				
	166735	00700	2670	5 026438	.0749	.0195	.9388	.0091	.0017	.0149	.0399	.0063	.0003	.0001	.0019	.0526	.0333	.0358	.0044	.0011	.0014
	4370549																				
	166735	00800	2670	5 026438	.0749	.0195	.9388	.0091	.0017	.0149	.0399	.0063	.0003	.0001	.0019	.0526	.0333	.0358	.0044	.0011	.0014
	4370550																				
	166735	00900	2670	5 026438	.0749	.0195	.9388	.0091	.0017	.0149	.0399	.0063	.0003	.0001	.0019	.0526	.0333	.0358	.0044	.0011	.0014
	4370551																				
	166737	00100	2660	5 026438	.0749	.0195	.9388	.0091	.0017	.0149	.0399	.0063	.0003	.0001	.0019	.0526	.0333	.0358	.0044	.0011	.0014
	4370553																				
	166737	00200	2660	5 026438	.0749	.0195	.9388	.0091	.0017	.0149	.0399	.0063	.0003	.0001	.0019	.0526	.0333	.0358	.0044	.0011	.0014
	4370554																				
	166737	00300	2660	5 026438	.0749	.0195	.9388	.0091	.0017	.0149	.0399	.0063	.0003	.0001	.0019	.0526	.0333	.0358	.0044	.0011	.0014
	4370555																				
	166737	00400	2665	5 026438	.0749	.0195	.9388	.0091	.0017	.0149	.0399	.0063	.0003	.0001	.0019	.0526	.0333	.0358	.0044	.0011	.0014
	4370556																				
	166737	00500	2655	5 026438	.0749	.0195	.9388	.0091	.0017	.0149	.0399	.0063	.0003	.0001	.0019	.0526	.0333	.0358	.0044	.0011	.0014
	4370557																				
	166738	00100	2680	5 026823	.0797	.0132	.9613	.0115	.0021	.0153	.0359	.0053	.0001	.0014	.0532	.0250	.0285	.0030	.0011	.0015	
	4370559																				
	166738	00200	2680	5 026823	.0797	.0132	.9613	.0115	.0021	.0153	.0359	.0053	.0001	.0014	.0532	.0250	.0285	.0030	.0011	.0015	
	4370560																				
	166738	00300	2680	5 026823	.0797	.0132	.9613	.0115	.0021	.0153	.0359	.0053	.0001	.0014	.0532	.0250	.0285	.0030	.0011	.0015	
	4370561																				
	166738	00400	2675	5 026823	.0797	.0132	.9613	.0115	.0021	.0153	.0359	.0053	.0001	.0014	.0532	.0250	.0285	.0030	.0011	.0015	
	4370562																				

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)

 ArcelorMittal ArcelorMittal Bremen GmbH Postfach 210220 28222 BREMEN Carl-Benz-Strasse 30 28237 BREMEN Telefon 0421/6480 Telefax 0421/6482251	A02 CERTIFICATE 20160058350-00	Page: 04 / 06 20160058350-00	A03 DISPATCH NOTE DATE SHIP FRANCISCA 12.08.2016	0000432135 12.08.2016
	Inspection certificate 3.1 EN 10204	A08.1 MANUFACTURER'S ORDER NR DATE AGENCY'S ORDER NR.	1666716 01.04.2016 FH6FLEP004013	A09 DISPATCH NOTE DATE SHIP FRANCISCA 12.08.2016
A05 ORIGINATOR OF THE DOCUMENT ArcelorMittal Bremen GmbH Abnahme/Zugnuischreibung zeugnisse.bremen@arcelormittal.com Telefon 0421/6482813	A07 CUSTOMER'S ORDER NUMBER TL-927/16			

PRODUCT: hot rolled unpickled sheet **QUALITY:** AMSTRONG 355MC **STANDARD:** AM FCB EN 10149-2 (00-09-1995)
TERMS OF DELIVERY: EN 10051 (2010) **S355MC**

ITEM	B09	B10	B11
THICKNESS	WIDTH	LENGTH	
mm	mm	mm	
13	15.00	1500.00	3000.00

A08.2	ITEM	B07.1	B07.1	B07.1	B08	B07.2	CHEMICAL ANALYSIS																				
							COILNO	PART	WEIGHT	AMOUNT	HEAT	C	Si	Mn	P	S	Cu	Al	N	B	V	Ti	Nb	Cr	Ni	Mo	AS
13	166738	00500	2675	5 026823	.0797 .0132 .9613 .0115 .0021 .0153 .0359 .0053 .0001 .0014 .0012 .0532 .0250 .0030 .0011 .0015	4370563																					
	166738	00600	2675	5 026823	.0797 .0132 .9613 .0115 .0021 .0153 .0359 .0053 .0001 .0014 .0012 .0532 .0250 .0030 .0011 .0015	4370564																					
TOTAL	28		74675																								

TOTAL	28	74675
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A08.2	ITEM	B07.1	B07.1	B08	B07.2	TENSILE TEST										BENDTESTSHOCK TEST											
						COILNO	PART	WEIGHT	AMOUNT	HEAT	PRTemp	Yield p.	Re	Rm	MPa	A120mm	Pa	S0	PR	Temp	KV2	1	2	3	KV2	1	2
13	166734	00100	2660	5 026438	0	20	410	516	28.7	1	.8	0	-20	245	242	270	252										
	166734	00200	2665	5 026438	0	20	410	516	28.7	1	.8	0	-20	245	242	270	252										
	166734	00300	2665	5 026438	0	20	410	516	28.7	1	.8	0	-20	245	242	270	252										
	166734	00400	2665	5 026438	0	20	410	516	28.7	1	.8	0	-20	245	242	270	252										
	166734	00500	2665	5 026438	0	20	410	516	28.7	1	.8	0	-20	245	242	270	252										
	166734	00600	2665	5 026438	0	20	410	516	28.7	1	.8	0	-20	245	242	270	252										
	166734	00700	2665	5 026438	0	20	410	516	28.7	1	.8	0	-20	245	242	270	252										
	166734	00700	2665	5 026438	0	20	410	516	28.7	1	.8	0	-20	245	242	270	252										

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 specimen size (C44)



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A02 CERTIFICATE
Page: 05 / 06
20160058350-00

Inspection certificate 3.1 EN 10204
A05 ORIGINATOR OF THE DOCUMENT
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A09 DISPATCH NOTE
DATE 12.08.2016
SHIP FRANCISCA

A08.1 MANUFACTURER'S ORDER NR 1666716
DATE 01.04.2016
AGENCY'S ORDER NR. FH6FLEP004013

A07 CUSTOMER'S ORDER NUMBER
TL-927/16

PRODUCT: hot rolled unpickled sheet
TERMS OF DELIVERY: EN 10051 (2010)

QUALITY: AMSTRONG 355MC
STANDARD: AM FCE
EN 10149-2 (00-09-1995)

ITEM	B09 THICKNESS mm	B10 WIDTH mm	B11 LENGTH mm
13	15.00	1500.00	3000.00

ITEM	B07.1 COIL NO	B07.1 PART	B13 WEIGHT kg	TENSILE TEST		BEND TEST SHOCK TEST													
				B08 AMOUNT	B07.2 HEAT	C02	C03	C11	C12	C13	C50	C44	C02	C03	C42	C42	C43		
				PRTemp °C	Yield strength MPa	Re MPa	Rm MPa	A120mm %	Fa	S0 cm ²	PR °C	KV2 1 J	KV2 2 J	KV2 3 J	KV2 m J				
13	166734	00800	2660	5	026438	0	20	410	516	28.7	1	.8	0	-20	245	242	270	252	
	4370541																		
	166735	00100	2665	5	026438	0	20	409	514	28.7	1	.8	0	-20	230	227	241	232	
	4370543																		
	166735	00200	2665	5	026438	0	20	409	514	28.7	1	.8	0	-20	230	227	241	232	
	4370544																		
	166735	00300	2660	5	026438	0	20	409	514	28.7	1	.8	0	-20	230	227	241	232	
	4370545																		
	166735	00400	2665	5	026438	0	20	409	514	28.7	1	.8	0	-20	230	227	241	232	
	4370546																		
	166735	00500	2665	5	026438	0	20	409	514	28.7	1	.8	0	-20	230	227	241	232	
	4370547																		
	166735	00600	2670	5	026438	0	20	409	514	28.7	1	.8	0	-20	230	227	241	232	
	4370548																		
	166735	00700	2670	5	026438	0	20	409	514	28.7	1	.8	0	-20	230	227	241	232	
	4370549																		
	166735	00800	2670	5	026438	0	20	409	514	28.7	1	.8	0	-20	230	227	241	232	
	4370550																		
	166735	00900	2670	5	026438	0	20	409	514	28.7	1	.8	0	-20	230	227	241	232	
	4370551																		
	166737	00100	2660	5	026438	0	20	410	516	28.7	1	.8	0	-20	245	242	270	252	
	4370553																		
	166737	00200	2660	5	026438	0	20	410	516	28.7	1	.8	0	-20	245	242	270	252	
	4370554																		
	166737	00300	2660	5	026438	0	20	410	516	28.7	1	.8	0	-20	245	242	270	252	
	4370555																		

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

JITZ 1.73



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A02 CERTIFICATE
Page: 06 / 06
20160058350-00

Inspection certificate 3.1 EN 10204

A05 ORIGINATOR OF THE DOCUMENT
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A09 DISPATCH NOTE
DATE 12.08.2016
SHIP FRANCISCA

A08.1 MANUFACTURER'S ORDER NR 1666716
DATE 01.04.2016
AGENCY'S ORDER NR. PH6FLEP004013

A07 CUSTOMER'S ORDER NUMBER
TL-927/16

PRODUCT: hot rolled unpickled sheet

QUALITY: AMSTRONG 355MC
S355MC

STANDARD: EN 10149-2 (00-09-1995)
AM FCB

TERMS OF DELIVERY: EN 10051 (2010)

ITEM	B09 THICKNESS mm	B10 WIDTH mm	B11 LENGTH mm
13	15.00	1500.00	3000.00

A08.2 ITEM	B07.1 COILNO	B07.1 PART	B08 HEAT	B13 WEIGHT kg	TENSILE TEST				BENDTESTSHOCK TEST								
					C02 PRTemp °C	C03 Yield strength MPa	C11 Re MPa	C12 Rm MPa	C13 A120mm %	C44 Fa cm ²	C50 PR °C	C03 KV2 1 J	C42 KV2 2 J	C43 KV2 3 J			
13	166737	00400	51026438	2665	0	20	410	516	28.7	1	.8	0	-20	245	242	270	252
	4370556			2655	0	20	410	516	28.7	1	.8	0	-20	245	242	270	252
	166737	00500	51026438	2655	0	20	410	516	28.7	1	.8	0	-20	245	242	270	252
	4370557			2680	0	20	428	520	30	1	.8	0	-20	177	179	216	190
	166738	00100	51026823	2680	0	20	428	520	30	1	.8	0	-20	177	179	216	190
	4370559			2680	0	20	428	520	30	1	.8	0	-20	177	179	216	190
	166738	00200	51026823	2680	0	20	428	520	30	1	.8	0	-20	177	179	216	190
	4370560			2680	0	20	428	520	30	1	.8	0	-20	177	179	216	190
	166738	00300	51026823	2675	0	20	428	520	30	1	.8	0	-20	177	179	216	190
	4370561			2675	0	20	428	520	30	1	.8	0	-20	177	179	216	190
	166738	00400	51026823	2675	0	20	428	520	30	1	.8	0	-20	177	179	216	190
	4370562			2675	0	20	428	520	30	1	.8	0	-20	177	179	216	190
	166738	00500	51026823	2675	0	20	428	520	30	1	.8	0	-20	177	179	216	190
	4370563			2675	0	20	428	520	30	1	.8	0	-20	177	179	216	190
	166738	00600	51026823	2675	0	20	428	520	30	1	.8	0	-20	177	179	216	190
	4370564			74675													
TOTAL	28	28															

28 | 74675

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



QUALITY DEPARTMENT
SITE EXPERT FOR INSPECTION
Hesener

BREMEN 15.08.2016

Handwritten signature

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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