

A01



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

A02

CERTIFICATE

Inspection certificate 3.1 EN 10204

A05 ORIGINATOR OF THE DOCUMENT
ArcelorMittal Bremen GmbH
Abnahme/Zeugnisschreibung
Telefon 0421/6482813
Telefax 0421/6483150

A03

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20130066210-00

A09 DISPATCH NOTE

DATE
SHIP
CELIA

0000049331

30.12.2013

A08.1 MANUFACTURER'S ORDER NR 1310339

DATE 19.09.2013
AGENCY'S ORDER NR. FH34223004004

A07 CUSTOMER'S ORDER NUMBER

TL - 671 / 13

A06.1 CUSTOMER

OY Leppinen Steel LTD

Terästie 2
61400 Ylistaro
Finland

A06.2 CONSIGNEE

OY Leppinen Steel LTD

Terästie 2
61400 Ylistaro
Finland

PRODUCT: hot rolled unpickled sheet

QUALITY: AMSTRONG650MC

STANDARD: AM FCE

TERMS OF DELIVERY: EN 10051 (A1:'97)

S650MC

EN 10149-2 (00-09-1995)

JITZ 1.65

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 Finland

PRODUCT: hot rolled unpickled sheet QUALITY: **AMSTRONG650MC** STANDARD: **AM FCE**
 TERMS OF DELIVERY: **EN 10051 (A1:'97)** **S650MC** **EN 10149-2 (00-09-1995)**
 JITZ 1.65

A08.2 ITEM	B11 THICKNES mm	B12 WIDTH mm	B13 LENGTH mm
4	10.00	1500.00	3000.00

A08.2 ITEM	B07.1 COILNO	B07.1 PART	B14 WEIGHT kg	B10 AMOUNT	B07.2 HEAT	CHEMICAL ANALYSIS																		
						C71 C %	C73 Si %	C72 Mn %	C74 P %	C75 S %	Cu %	C77 AlS %	C76 N %	B %	V %	Ti %	Nb %	Cr %	Ni %	Mo %	As %	Sn %		
4	177568	99901	2505	7	043974	.0641	.2431	1.961	.0126	.0011	.0149	.0529	.0058	.0007	.0090	.1234	.0673	.2698	.0282	.0055	.0019	.0022		
	4144642																							
	177568	99902	2505	7	043974	.0641	.2431	1.961	.0126	.0011	.0149	.0529	.0058	.0007	.0090	.1234	.0673	.2698	.0282	.0055	.0019	.0022		
	4144643																							
	177568	99903	2500	7	043974	.0641	.2431	1.961	.0126	.0011	.0149	.0529	.0058	.0007	.0090	.1234	.0673	.2698	.0282	.0055	.0019	.0022		
	4144644																							
	177568	99904	2510	7	043974	.0641	.2431	1.961	.0126	.0011	.0149	.0529	.0058	.0007	.0090	.1234	.0673	.2698	.0282	.0055	.0019	.0022		
	4144645																							
	177568	99905	2505	7	043974	.0641	.2431	1.961	.0126	.0011	.0149	.0529	.0058	.0007	.0090	.1234	.0673	.2698	.0282	.0055	.0019	.0022		
	4144646																							
	177568	99906	2500	7	043974	.0641	.2431	1.961	.0126	.0011	.0149	.0529	.0058	.0007	.0090	.1234	.0673	.2698	.0282	.0055	.0019	.0022		
	4144647																							
	177568	99907	2510	7	043974	.0641	.2431	1.961	.0126	.0011	.0149	.0529	.0058	.0007	.0090	.1234	.0673	.2698	.0282	.0055	.0019	.0022		
	4144648																							
	177568	99908	2505	7	043974	.0641	.2431	1.961	.0126	.0011	.0149	.0529	.0058	.0007	.0090	.1234	.0673	.2698	.0282	.0055	.0019	.0022		
	4144649																							
	177568	99909	2500	7	043974	.0641	.2431	1.961	.0126	.0011	.0149	.0529	.0058	.0007	.0090	.1234	.0673	.2698	.0282	.0055	.0019	.0022		
	4144650																							
	177568	99910	2510	7	043974	.0641	.2431	1.961	.0126	.0011	.0149	.0529	.0058	.0007	.0090	.1234	.0673	.2698	.0282	.0055	.0019	.0022		
	4144651																							
	177568	99911	2510	7	043974	.0641	.2431	1.961	.0126	.0011	.0149	.0529	.0058	.0007	.0090	.1234	.0673	.2698	.0282	.0055	.0019	.0022		
	4144652																							
	177568	99912	1440	4	043974	.0641	.2431	1.961	.0126	.0011	.0149	.0529	.0058	.0007	.0090	.1234	.0673	.2698	.0282	.0055	.0019	.0022		
	4144655																							
	177569	99901	2505	7	043974	.0641	.2431	1.961	.0126	.0011	.0149	.0529	.0058	.0007	.0090	.1234	.0673	.2698	.0282	.0055	.0019	.0022		
	4144656																							

C02 test direction relating to rolling direction C04 condition of specime V:aged F:fresh N:normalised C50 bend test 1:good C43 result in J relating to 8 x 10 mm specimen

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A09 DISPATCH NOTE
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 DATE 19.09.2013
 AGENCY'S ORDER NR. FH34223004004
 A07 CUSTOMER'S ORDER NUMBER
 TL - 671 / 13

A06.1 CUSTOMER
OY Leppinen Steel LTD
 Terästie 2
 61400 Ylistaro
 Finland
 A06.2 CONSIGNEE
OY Leppinen Steel LTD
 Terästie 2
 61400 Ylistaro
 Finland

PRODUCT: hot rolled unpickled sheet QUALITY: **AMSTRONG650MC** STANDARD: **AM FCE**
 TERMS OF DELIVERY: **EN 10051 (A1:'97)** **S650MC** **EN 10149-2 (00-09-1995)**
 JITZ 1.65

A08.2 ITEM	B11 THICKNES mm	B12 WIDTH mm	B13 LENGTH mm
4	10.00	1500.00	3000.00

A08.2 ITEM	B07.1 COILNO	B07.1 PART	B14 WEIGHT kg	B10 AMOUNT	B07.2 HEAT	CHEMICAL ANALYSIS																	
						C71 C	C73 Si	C72 Mn	C74 P	C75 S	Cu	C77 ALS	C76 N	B	V	Ti	Nb	Cr	Ni	Mo	As	Sn	
4	177569	99902	2505	7	043974	.0641	.2431	1.961	.0126	.0011	.0149	.0529	.0058	.0007	.0090	.1234	.0673	.2698	.0282	.0055	.0019	.0022	
	4144657																						
	177569	99903	2500	7	043974	.0641	.2431	1.961	.0126	.0011	.0149	.0529	.0058	.0007	.0090	.1234	.0673	.2698	.0282	.0055	.0019	.0022	
	4144658																						
	177569	99904	2505	7	043974	.0641	.2431	1.961	.0126	.0011	.0149	.0529	.0058	.0007	.0090	.1234	.0673	.2698	.0282	.0055	.0019	.0022	
	4144659																						
	177569	99905	2505	7	043974	.0641	.2431	1.961	.0126	.0011	.0149	.0529	.0058	.0007	.0090	.1234	.0673	.2698	.0282	.0055	.0019	.0022	
	4144660																						
	177569	99906	2505	7	043974	.0641	.2431	1.961	.0126	.0011	.0149	.0529	.0058	.0007	.0090	.1234	.0673	.2698	.0282	.0055	.0019	.0022	
	4144661																						
	177569	99907	1785	5	043974	.0641	.2431	1.961	.0126	.0011	.0149	.0529	.0058	.0007	.0090	.1234	.0673	.2698	.0282	.0055	.0019	.0022	
	4144663																						
	19		45810																				
TOTAL	19		45810																				

A08.2 ITEM	B07.1 COILNO	B07.1 PART	B14 WEIGHT kg	B10 AMOUNT	B07.2 HEAT	TENSILE TEST					BEND TEST		SHOCK TEST				
						C02 PR	C03 Temp °C	C11 yield Re MPa	C12 streng Rm MPa	C13 A100 %	C50 Fa	C02 PR	C03 Temp °C	C42 KV2_1 J	C42 KV2_2 J	C42 KV2_3 J	C43 KV2_m J
4	177568	99901	2505	7	043974	0	20	666	787	20.5	1	0	-20	135	137	132	135
	4144642																
	177568	99902	2505	7	043974	0	20	666	787	20.5	1	0	-20	135	137	132	135
	4144643																
	177568	99903	2500	7	043974	0	20	666	787	20.5	1	0	-20	135	137	132	135
	4144644																

C02 test direction relating to rolling direction C04 condition of specime V:aged F:fresh N:normalised C50 bend test 1:good C43 result in J relating to 8 x 10 mm specimen

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 TERMS OF DELIVERY: **EN 10051 (A1:'97)** **S650MC** **EN 10149-2 (00-09-1995)**
 JITZ 1.65

A08.2 ITEM	B11 THICKNES mm	B12 WIDTH mm	B13 LENGTH mm
4	10.00	1500.00	3000.00

A08.2 ITEM	B07.1 COIL NO	B07.1 PART	B14 WEIGHT kg	B10 AMOUNT	B07.2 HEAT	TENSILE TEST					BEND TEST	SHOCK TEST					
						C02 PR	C03 Temp °C	C11 yield Re MPa	C12 streng Rm MPa	C13 A100 %	C50 Fa	C02 PR	C03 Temp °C	C42 KV2_1 J	C42 KV2_2 J	C42 KV2_3 J	C43 KV2_m J
4	177568	99904	2510	7	043974	0	20	666	787	20.5	1	0	-20	135	137	132	135
	4144645																
	177568	99905	2505	7	043974	0	20	666	787	20.5	1	0	-20	135	137	132	135
	4144646																
	177568	99906	2500	7	043974	0	20	666	787	20.5	1	0	-20	135	137	132	135
	4144647																
	177568	99907	2510	7	043974	0	20	666	787	20.5	1	0	-20	135	137	132	135
	4144648																
	177568	99908	2505	7	043974	0	20	666	787	20.5	1	0	-20	135	137	132	135
	4144649																
	177568	99909	2500	7	043974	0	20	666	787	20.5	1	0	-20	135	137	132	135
	4144650																
	177568	99910	2510	7	043974	0	20	666	787	20.5	1	0	-20	135	137	132	135
	4144651																
	177568	99911	2510	7	043974	0	20	666	787	20.5	1	0	-20	135	137	132	135
	4144652																
	177568	99912	1440	4	043974	0	20	666	787	20.5	1	0	-20	135	137	132	135
	4144655																
	177569	99901	2505	7	043974	0	20	650	792	21	1	0	-20	145	134	139	139
	4144656																
	177569	99902	2505	7	043974	0	20	650	792	21	1	0	-20	145	134	139	139
	4144657																
	177569	99903	2500	7	043974	0	20	650	792	21	1	0	-20	145	134	139	139
	4144658																
	177569	99904	2505	7	043974	0	20	650	792	21	1	0	-20	145	134	139	139
	4144659																

C02 test direction relating to rolling direction C04 condition of specime V:aged F:fresh N:normalised C50 bend test 1:good C43 result in J relating to 8 x 10 mm specimen

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 JITZ 1.65

A08.2	B11	B12	B13
ITEM	THICKNES	WIDTH	LENGTH
	mm	mm	mm
4	10.00	1500.00	3000.00

A08.2	B07.1	B07.1	B14	B10	B07.2	TENSILE TEST					BENDTEST	SHOCK TEST						
						C02	C03	C11	C12	C13	C50	C02	C03	C42	C42	C42	C43	
ITEM	COILNO	PART	WEIGHT	AMOUNT	HEAT	PR	Temp	yield	streng	Rm	A100	Fa	PR	Temp	KV2_1	KV2_2	KV2_3	KV2_m
			kg			°	°C	MPa	MPa	%		°	°C	J	J	J	J	
4	177569	99905	2505	7	043974	0	20	650	792	21	1	0	-20	145	134	139	139	
	4144660																	
	177569	99906	2505	7	043974	0	20	650	792	21	1	0	-20	145	134	139	139	
	4144661																	
	177569	99907	1785	5	043974	0	20	650	792	21	1	0	-20	145	134	139	139	
	4144663																	
			19															
TOTAL			19															

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

 QUALITY DEPARTMENT
 BREMEN 02.01.2014 SITE EXPERT FOR INSPECTION
 Hoppe



C02 test direction relating to rolling direction	C04 condition of specime V:aged F:fresh N:normalised	C50 bend test 1:good	C43 result in J relating to 8 x 10 mm specimen
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