



ArcelorMittal Bremen GmbH
Postfach 210220
28222 BREMEN
Carl-Benz-Strasse 30
28237 BREMEN
Telefon 0421/6480
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A02
CERTIFICATE
A03 Page: 01 / 09
20170043799-00
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 08.06.2017
SHIP
MIRVA VG
A08.1 MANUFACTURER'S ORDER NR **1788806**
DATE 06.03.2017
AGENCY'S ORDER NR. FH72LEP004006

A07 CUSTOMER'S ORDER NUMBER
TL - 033/ 17

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

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 1.74

ArcelorMittal Bremen GmbH, Postfach 210220, 28222 BREMEN

OY Leppinen Steel LTD

Terästie 2
61400 Ylistaro
Finnland



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 TERMS OF DELIVERY: **EN 10051 (2010)** **S355MC** **EN 10149-2 (00-09-1995)**

JITZ 1.74

A08.2 ITEM	B09 THICKNES mm	B10 WIDTH mm	B11 LENGTH mm
6	8.00	1500.00	3000.00

A08.2 ITEM	B07.1 COILNO	B07.1 PART	B13 WEIGHT kg	B08 AMOUNT	B07.2 HEAT	CHEMICAL ANALYSIS																
						C71 C %	C73 Si %	C72 Mn %	C74 P %	C75 S %	Cu %	C77 Al %	C76 N %	B %	V %	Ti %	Nb %	Cr %	Ni %	Mo %	As %	Sn %
6	322296	00100	2565	9	038503	.0719	.0106	.7072	.0109	.0049	.0217	.0408	.0045	.0001	.0017	.0013	.0414	.0450	.0337	.0051	.0011	.0019
	4448806																					
	322296	00200	2570	9	038503	.0719	.0106	.7072	.0109	.0049	.0217	.0408	.0045	.0001	.0017	.0013	.0414	.0450	.0337	.0051	.0011	.0019
	4448807																					
	322296	00300	2575	9	038503	.0719	.0106	.7072	.0109	.0049	.0217	.0408	.0045	.0001	.0017	.0013	.0414	.0450	.0337	.0051	.0011	.0019
	4448808																					
	322296	00400	2575	9	038503	.0719	.0106	.7072	.0109	.0049	.0217	.0408	.0045	.0001	.0017	.0013	.0414	.0450	.0337	.0051	.0011	.0019
	4448809																					
	322296	00500	2570	9	038503	.0719	.0106	.7072	.0109	.0049	.0217	.0408	.0045	.0001	.0017	.0013	.0414	.0450	.0337	.0051	.0011	.0019
	4448810																					
	322296	00600	2285	8	038503	.0719	.0106	.7072	.0109	.0049	.0217	.0408	.0045	.0001	.0017	.0013	.0414	.0450	.0337	.0051	.0011	.0019
	4448811																					
	322298	00100	2570	9	038499	.0797	.0099	.6908	.0083	.0057	.0247	.0384	.0042	.0001	.0003	.0012	.0417	.0307	.0328	.0042	.0013	.0019
	4448747																					
	322298	00200	2570	9	038499	.0797	.0099	.6908	.0083	.0057	.0247	.0384	.0042	.0001	.0003	.0012	.0417	.0307	.0328	.0042	.0013	.0019
	4448748																					
	322298	00300	2565	9	038499	.0797	.0099	.6908	.0083	.0057	.0247	.0384	.0042	.0001	.0003	.0012	.0417	.0307	.0328	.0042	.0013	.0019
	4448749																					
	322298	00400	2575	9	038499	.0797	.0099	.6908	.0083	.0057	.0247	.0384	.0042	.0001	.0003	.0012	.0417	.0307	.0328	.0042	.0013	.0019
	4448750																					
	322298	00500	2575	9	038499	.0797	.0099	.6908	.0083	.0057	.0247	.0384	.0042	.0001	.0003	.0012	.0417	.0307	.0328	.0042	.0013	.0019
	4448751																					
	322298	00600	2575	9	038499	.0797	.0099	.6908	.0083	.0057	.0247	.0384	.0042	.0001	.0003	.0012	.0417	.0307	.0328	.0042	.0013	.0019
	4448752																					
	322298	00700	2565	9	038499	.0797	.0099	.6908	.0083	.0057	.0247	.0384	.0042	.0001	.0003	.0012	.0417	.0307	.0328	.0042	.0013	.0019
	4448753																					

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 ITEM	B09 THICKNES mm	B10 WIDTH mm	B11 LENGTH mm
6	8.00	1500.00	3000.00

A08.2 ITEM	B07.1 COILNO	B07.1 PART	B13 WEIGHT kg	B08 AMOUNT	B07.2 HEAT	CHEMICAL ANALYSIS																
						C71 C %	C73 Si %	C72 Mn %	C74 P %	C75 S %	Cu %	C77 Al %	C76 N %	B %	V %	Ti %	Nb %	Cr %	Ni %	Mo %	As %	Sn %
6	322298	00800	570	2	038499	.0797	.0099	.6908	.0083	.0057	.0247	.0384	.0042	.0001	.0003	.0012	.0417	.0307	.0328	.0042	.0013	.0019
	4448770																					
	322299	00100	2570	9	038503	.0719	.0106	.7072	.0109	.0049	.0217	.0408	.0045	.0001	.0017	.0013	.0414	.0450	.0337	.0051	.0011	.0019
	4448822																					
	322299	00200	2575	9	038503	.0719	.0106	.7072	.0109	.0049	.0217	.0408	.0045	.0001	.0017	.0013	.0414	.0450	.0337	.0051	.0011	.0019
	4448823																					
	322299	00300	2570	9	038503	.0719	.0106	.7072	.0109	.0049	.0217	.0408	.0045	.0001	.0017	.0013	.0414	.0450	.0337	.0051	.0011	.0019
	4448824																					
	322299	00400	2575	9	038503	.0719	.0106	.7072	.0109	.0049	.0217	.0408	.0045	.0001	.0017	.0013	.0414	.0450	.0337	.0051	.0011	.0019
	4448825																					
	322299	00500	2575	9	038503	.0719	.0106	.7072	.0109	.0049	.0217	.0408	.0045	.0001	.0017	.0013	.0414	.0450	.0337	.0051	.0011	.0019
	4448826																					
	322299	00600	2570	9	038503	.0719	.0106	.7072	.0109	.0049	.0217	.0408	.0045	.0001	.0017	.0013	.0414	.0450	.0337	.0051	.0011	.0019
	4448827																					
	322299	00700	2575	9	038503	.0719	.0106	.7072	.0109	.0049	.0217	.0408	.0045	.0001	.0017	.0013	.0414	.0450	.0337	.0051	.0011	.0019
	4448828																					
	322299	00800	2570	9	038503	.0719	.0106	.7072	.0109	.0049	.0217	.0408	.0045	.0001	.0017	.0013	.0414	.0450	.0337	.0051	.0011	.0019
	4448829																					
	322299	00900	2580	9	038503	.0719	.0106	.7072	.0109	.0049	.0217	.0408	.0045	.0001	.0017	.0013	.0414	.0450	.0337	.0051	.0011	.0019
	4448830																					
	322299	01000	2575	9	038503	.0719	.0106	.7072	.0109	.0049	.0217	.0408	.0045	.0001	.0017	.0013	.0414	.0450	.0337	.0051	.0011	.0019
	4448831																					
	322299	01100	2570	9	038503	.0719	.0106	.7072	.0109	.0049	.0217	.0408	.0045	.0001	.0017	.0013	.0414	.0450	.0337	.0051	.0011	.0019
	4448832																					
	322299	01200	575	2	038503	.0719	.0106	.7072	.0109	.0049	.0217	.0408	.0045	.0001	.0017	.0013	.0414	.0450	.0337	.0051	.0011	.0019
	4448860																					

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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A08.2 ITEM	B09 THICKNES mm	B10 WIDTH mm	B11 LENGTH mm
6	8.00	1500.00	3000.00

A08.2 ITEM	B07.1 COILNO	B07.1 PART	B13 WEIGHT kg	B08 AMOUNT	B07.2 HEAT	CHEMICAL ANALYSIS																				
						C71 C %	C73 Si %	C72 Mn %	C74 P %	C75 S %	Cu %	C77 Al %	C76 N %	B %	V %	Ti %	Nb %	Cr %	Ni %	Mo %	As %	Sn %				
6	322300	00100	2570	9	038503	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	
						4448771	038503	.0719	.0106	.7072	.0109	.0049	.0217	.0408	.0045	.0001	.0017	.0013	.0414	.0450	.0337	.0051	.0011	.0019		
	322300	00200	2575	9	038503	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
						4448772	038503	.0719	.0106	.7072	.0109	.0049	.0217	.0408	.0045	.0001	.0017	.0013	.0414	.0450	.0337	.0051	.0011	.0019		
	322300	00300	2575	9	038503	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
						4448773	038503	.0719	.0106	.7072	.0109	.0049	.0217	.0408	.0045	.0001	.0017	.0013	.0414	.0450	.0337	.0051	.0011	.0019		
	322300	00400	2570	9	038503	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
						4448774	038503	.0719	.0106	.7072	.0109	.0049	.0217	.0408	.0045	.0001	.0017	.0013	.0414	.0450	.0337	.0051	.0011	.0019		
	322300	00500	2570	9	038503	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
						4448775	038503	.0719	.0106	.7072	.0109	.0049	.0217	.0408	.0045	.0001	.0017	.0013	.0414	.0450	.0337	.0051	.0011	.0019		
	322300	00600	2570	9	038503	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
						4448776	038503	.0719	.0106	.7072	.0109	.0049	.0217	.0408	.0045	.0001	.0017	.0013	.0414	.0450	.0337	.0051	.0011	.0019		
	322300	00700	2575	9	038503	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
						4448777	038503	.0719	.0106	.7072	.0109	.0049	.0217	.0408	.0045	.0001	.0017	.0013	.0414	.0450	.0337	.0051	.0011	.0019		
	322300	00800	2575	9	038503	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
						4448778	038503	.0719	.0106	.7072	.0109	.0049	.0217	.0408	.0045	.0001	.0017	.0013	.0414	.0450	.0337	.0051	.0011	.0019		
	322300	00900	2580	9	038503	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
						4448779	038503	.0719	.0106	.7072	.0109	.0049	.0217	.0408	.0045	.0001	.0017	.0013	.0414	.0450	.0337	.0051	.0011	.0019		
	322300	01000	2580	9	038503	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
						4448780	038503	.0719	.0106	.7072	.0109	.0049	.0217	.0408	.0045	.0001	.0017	.0013	.0414	.0450	.0337	.0051	.0011	.0019		
	322300	01100	2575	9	038503	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
						4448781	038503	.0719	.0106	.7072	.0109	.0049	.0217	.0408	.0045	.0001	.0017	.0013	.0414	.0450	.0337	.0051	.0011	.0019		
	387343	00100	2570	9	038950	.0748	.0113	.6984	.0078	.0053	.0354	.0382	.0050	.0001	.0002	.0015	.0404	.0385	.0356	.0040	.0012	.0020				
						4450232																				
	387343	00200	2570	9	038950	.0748	.0113	.6984	.0078	.0053	.0354	.0382	.0050	.0001	.0002	.0015	.0404	.0385	.0356	.0040	.0012	.0020				
						4450233																				

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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A08.2 ITEM	B09 THICKNESS mm	B10 WIDTH mm	B11 LENGTH mm
6	8.00	1500.00	3000.00

A08.2 ITEM	B07.1 COILNO	B07.1 PART	B13 WEIGHT kg	B08 AMOUNT	B07.2 HEAT	CHEMICAL ANALYSIS																
						C71 C %	C73 Si %	C72 Mn %	C74 P %	C75 S %	Cu %	C77 Al %	C76 N %	B %	V %	Ti %	Nb %	Cr %	Ni %	Mo %	As %	Sn %
6	387343	00300	2570	9	038950	.0748	.0113	.6984	.0078	.0053	.0354	.0382	.0050	.0001	.0002	.0015	.0404	.0385	.0356	.0040	.0012	.0020
	4450234																					
	387343	00400	2575	9	038950	.0748	.0113	.6984	.0078	.0053	.0354	.0382	.0050	.0001	.0002	.0015	.0404	.0385	.0356	.0040	.0012	.0020
	4450235																					
	387343	00500	2570	9	038950	.0748	.0113	.6984	.0078	.0053	.0354	.0382	.0050	.0001	.0002	.0015	.0404	.0385	.0356	.0040	.0012	.0020
	4450236																					
	387343	00600	2575	9	038950	.0748	.0113	.6984	.0078	.0053	.0354	.0382	.0050	.0001	.0002	.0015	.0404	.0385	.0356	.0040	.0012	.0020
	4450237																					
	387343	00700	2290	8	038950	.0748	.0113	.6984	.0078	.0053	.0354	.0382	.0050	.0001	.0002	.0015	.0404	.0385	.0356	.0040	.0012	.0020
	4450240																					
	44		108620																			
TOTAL	44		108620																			

A08.2 ITEM	B07.1 COILNO	B07.1 PART	B13 WEIGHT kg	B08 AMOUNT	B07.2 HEAT	TENSILE TEST					BENDTEST	SHOCK TEST						
						C02 PR °	C03 Temp °C	C11 yield p. Re MPa	C12 strength Rm MPa	C13 A90mm %	C50 Fa	C44 S0 cm²	C02 PR °	C03 Temp °C	C42 KV2_1 J	C42 KV2_2 J	C42 KV2_3 J	C43 KV2_m J
6	322296	00100	2565	9	038503	0	20	412	499	31.3	1	.8	0	-20	260	232	236	242
	4448806																	
	322296	00200	2570	9	038503	0	20	412	499	31.3	1	.8	0	-20	260	232	236	242
	4448807																	
	322296	00300	2575	9	038503	0	20	412	499	31.3	1	.8	0	-20	260	232	236	242
	4448808																	
	322296	00400	2575	9	038503	0	20	412	499	31.3	1	.8	0	-20	260	232	236	242
	4448809																	

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JITZ 1.74

A08.2 ITEM	B09 THICKNES mm	B10 WIDTH mm	B11 LENGTH mm
6	8.00	1500.00	3000.00

A08.2 ITEM	B07.1 COILNO	B07.1 PART	B13 WEIGHT kg	B08 AMOUNT	B07.2 HEAT	TENSILE TEST					BENDTEST	SHOCK TEST						
						C02 PR	C03 Temp °C	C11 yield p. Re MPa	C12 strength Rm MPa	C13 A90mm %	C50 Fa	C44 S0 cm ²	C02 PR	C03 Temp °C	C42 KV2_1 J	C42 KV2_2 J	C42 KV2_3 J	C43 KV2_m J
6	322296	00500	2570	9	038503	0	20	412	499	31.3	1	.8	0	-20	260	232	236	242
	4448810																	
	322296	00600	2285	8	038503	0	20	412	499	31.3	1	.8	0	-20	260	232	236	242
	4448811																	
	322298	00100	2570	9	038499	0	20	408	497	31.3	1	.8	0	-20	184	252	248	228
	4448747																	
	322298	00200	2570	9	038499	0	20	408	497	31.3	1	.8	0	-20	184	252	248	228
	4448748																	
	322298	00300	2565	9	038499	0	20	408	497	31.3	1	.8	0	-20	184	252	248	228
	4448749																	
	322298	00400	2575	9	038499	0	20	408	497	31.3	1	.8	0	-20	184	252	248	228
	4448750																	
	322298	00500	2575	9	038499	0	20	408	497	31.3	1	.8	0	-20	184	252	248	228
	4448751																	
	322298	00600	2575	9	038499	0	20	408	497	31.3	1	.8	0	-20	184	252	248	228
	4448752																	
	322298	00700	2565	9	038499	0	20	408	497	31.3	1	.8	0	-20	184	252	248	228
	4448753																	
	322298	00800	570	2	038499	0	20	408	497	31.3	1	.8	0	-20	184	252	248	228
	4448770																	
	322299	00100	2570	9	038503	0	20	412	499	31.3	1	.8	0	-20	260	232	236	242
	4448822																	
	322299	00200	2575	9	038503	0	20	412	499	31.3	1	.8	0	-20	260	232	236	242
	4448823																	
	322299	00300	2570	9	038503	0	20	412	499	31.3	1	.8	0	-20	260	232	236	242
	4448824																	

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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A02 CERTIFICATE
A03 Page: 07 / 09
20170043799-00
 Inspection certificate 3.1 EN 10204
 A05 ORIGINATOR OF THE DOCUMENT
 ArcelorMittal Bremen GmbH
 Abnahme/Zeugnissschreibung
 zeugnisse.bremen@arcelormittal.com
 Telefon 0421/6482813

A09 DISPATCH NOTE
 DATE 08.06.2017
 SHIP
 MIRVA VG
 A08.1 MANUFACTURER'S ORDER NR **1788806**
 DATE 06.03.2017
 AGENCY'S ORDER NR. FH72LEP004006
 A07 CUSTOMER'S ORDER NUMBER
 TL - 033/ 17

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: **AMSTRONG 355MC** STANDARD: **AM FCE**
 TERMS OF DELIVERY: **EN 10051 (2010)** **S355MC** **EN 10149-2 (00-09-1995)**

JITZ 1.74

A08.2 ITEM	B09 THICKNES mm	B10 WIDTH mm	B11 LENGTH mm
6	8.00	1500.00	3000.00

A08.2 ITEM	B07.1 COILNO	B07.1 PART	B13 WEIGHT kg	B08 AMOUNT	B07.2 HEAT	TENSILE TEST					BENDTEST	SHOCK TEST						
						C02 PR	C03 Temp °C	C11 yield p. Re MPa	C12 strength Rm MPa	C13 A90mm %	C50 Fa	C44 S0 cm ²	C02 PR	C03 Temp °C	C42 KV2_1 J	C42 KV2_2 J	C42 KV2_3 J	C43 KV2_m J
6	322299	00400	2575	9	038503	0	20	412	499	31.3	1	.8	0	-20	260	232	236	242
	4448825																	
	322299	00500	2575	9	038503	0	20	412	499	31.3	1	.8	0	-20	260	232	236	242
	4448826																	
	322299	00600	2570	9	038503	0	20	412	499	31.3	1	.8	0	-20	260	232	236	242
	4448827																	
	322299	00700	2575	9	038503	0	20	412	499	31.3	1	.8	0	-20	260	232	236	242
	4448828																	
	322299	00800	2570	9	038503	0	20	412	499	31.3	1	.8	0	-20	260	232	236	242
	4448829																	
	322299	00900	2580	9	038503	0	20	412	499	31.3	1	.8	0	-20	260	232	236	242
	4448830																	
	322299	01000	2575	9	038503	0	20	412	499	31.3	1	.8	0	-20	260	232	236	242
	4448831																	
	322299	01100	2570	9	038503	0	20	412	499	31.3	1	.8	0	-20	260	232	236	242
	4448832																	
	322299	01200	575	2	038503	0	20	412	499	31.3	1	.8	0	-20	260	232	236	242
	4448860																	
	322300	00100	2570	9	038503	0	20	412	499	31.3	1	.8	0	-20	260	232	236	242
	4448771				038503	0	20	435	518	28	1	.8	0	-20	173	259	207	213
	322300	00200	2575	9	038503	0	20	412	499	31.3	1	.8	0	-20	260	232	236	242
	4448772				038503	0	20	435	518	28	1	.8	0	-20	173	259	207	213
	322300	00300	2575	9	038503	0	20	412	499	31.3	1	.8	0	-20	260	232	236	242
	4448773				038503	0	20	435	518	28	1	.8	0	-20	173	259	207	213
	322300	00400	2570	9	038503	0	20	412	499	31.3	1	.8	0	-20	260	232	236	242
	4448774				038503	0	20	435	518	28	1	.8	0	-20	173	259	207	213

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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A02 CERTIFICATE
A03 Page: 08 / 09
20170043799-00
 Inspection certificate 3.1 EN 10204
 A05 ORIGINATOR OF THE DOCUMENT
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 A07 CUSTOMER'S ORDER NUMBER
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 A06.2 CONSIGNEE
OY Leppinen Steel LTD
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 Finland

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

JITZ 1.74

A08.2 ITEM	B09 THICKNES mm	B10 WIDTH mm	B11 LENGTH mm
6	8.00	1500.00	3000.00

A08.2 ITEM	B07.1 COILNO	B07.1 PART	B13 WEIGHT kg	B08 AMOUNT	B07.2 HEAT	TENSILE TEST					BENDTEST	SHOCK TEST						
						C02 PR	C03 Temp °C	C11 yield p. Re MPa	C12 strength Rm MPa	C13 A90mm %	C50 Fa	C44 S0 cm ²	C02 PR	C03 Temp °C	C42 KV2_1 J	C42 KV2_2 J	C42 KV2_3 J	C43 KV2_m J
6	322300	00500	2570	9	038503	0	20	412	499	31.3	1	.8	0	-20	260	232	236	242
	4448775				038503	0	20	435	518	28	1	.8	0	-20	173	259	207	213
	322300	00600	2570	9	038503	0	20	412	499	31.3	1	.8	0	-20	260	232	236	242
	4448776				038503	0	20	435	518	28	1	.8	0	-20	173	259	207	213
	322300	00700	2575	9	038503	0	20	412	499	31.3	1	.8	0	-20	260	232	236	242
	4448777				038503	0	20	435	518	28	1	.8	0	-20	173	259	207	213
	322300	00800	2575	9	038503	0	20	412	499	31.3	1	.8	0	-20	260	232	236	242
	4448778				038503	0	20	435	518	28	1	.8	0	-20	173	259	207	213
	322300	00900	2580	9	038503	0	20	412	499	31.3	1	.8	0	-20	260	232	236	242
	4448779				038503	0	20	435	518	28	1	.8	0	-20	173	259	207	213
	322300	01000	2580	9	038503	0	20	412	499	31.3	1	.8	0	-20	260	232	236	242
	4448780				038503	0	20	435	518	28	1	.8	0	-20	173	259	207	213
	322300	01100	2575	9	038503	0	20	412	499	31.3	1	.8	0	-20	260	232	236	242
	4448781				038503	0	20	435	518	28	1	.8	0	-20	173	259	207	213
	387343	00100	2570	9	038950	0	20	432	516	30	1	.8	0	-20	232	245	240	239
	4450232																	
	387343	00200	2570	9	038950	0	20	432	516	30	1	.8	0	-20	232	245	240	239
	4450233																	
	387343	00300	2570	9	038950	0	20	432	516	30	1	.8	0	-20	232	245	240	239
	4450234																	
	387343	00400	2575	9	038950	0	20	432	516	30	1	.8	0	-20	232	245	240	239
	4450235																	
	387343	00500	2570	9	038950	0	20	432	516	30	1	.8	0	-20	232	245	240	239
	4450236																	
	387343	00600	2575	9	038950	0	20	432	516	30	1	.8	0	-20	232	245	240	239
	4450237																	

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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A02 CERTIFICATE
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 61400 Ylistaro
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PRODUCT: hot rolled unpickled sheet QUALITY: **AMSTRONG 355MC** STANDARD: **AM FCE**
 TERMS OF DELIVERY: **EN 10051 (2010)** **S355MC** **EN 10149-2 (00-09-1995)**

JITZ 1.74

A08.2 ITEM	B09 THICKNES mm	B10 WIDTH mm	B11 LENGTH mm
6	8.00	1500.00	3000.00

A08.2 ITEM	B07.1 COILNO	B07.1 PART	B13 WEIGHT kg	B08 AMOUNT	B07.2 HEAT	TENSILE TEST					BENDTEST	SHOCK TEST						
						C02 PR	C03 Temp °C	C11 yield p. Re MPa	C12 strength Rm MPa	C13 A90mm %	C50 Fa	C44 S0 cm ²	C02 PR	C03 Temp °C	C42 KV2_1 J	C42 KV2_2 J	C42 KV2_3 J	C43 KV2_m J
6	387343	00700	2290	8	038950	0	20	432	516	30	1	.8	0	-20	232	245	240	239
	4450240		44															
TOTAL			44															

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

BREMEN 13.06.2017



QUALITY DEPARTMENT
 SITE EXPERT FOR INSPECTION
 Hesener

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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