



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

A02
CERTIFICATE

A03 Page: 01 / 04
20200022245-00

Inspection certificate 3.1 EN 10204

A05 ORIGINATOR OF THE DOCUMENT
ArcelorMittal Bremen GmbH
Carl-Benz-Straße 30, 28237 Bremen
zeugnisse.bremen@arcelormittal.com
Telefon 0421/6482813

A09 DISPATCH NOTE
DATE

000964815
01.04.2020

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

2060138
16.12.2019
GH01KON010005

A07 CUSTOMER'S ORDER NUMBER
1113546

A10 PART NUMBER
XR355158

A06.1 CUSTOMER
OY KONTINO AB

HAKINTIE, 6
01380 VANTAA
Finland

A06.2 CONSIGNEE
OY KONTINO AB

HAKINTIE, 6
01380 VANTAA
Finland

PRODUCT: hot rolled unpickled sheet

QUALITY: **AMSTRONG@355MC**
S355MC

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

TERMS OF DELIVERY: **EN 10051 (2010)**

JITZ 1.78

ArcelorMittal Bremen GmbH, Postfach 210220, 28222 BREMEN

OY KONTINO AB

HAKINTIE, 6

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 TERMS OF DELIVERY: **EN 10051 (2010)** **S355MC** **EN 10149-2 (00-09-2013)**

JITZ 1.78

A08.2 ITEM	B09 THICKNES mm	B10 WIDTH mm	B11 LENGTH mm
5	15.00	1500.00	3000.00

A08.2 ITEM	B07.1 COILNO	B07.1 PART	B13 WEIGHT kg	B08 AMOUNT	B07.2 HEAT	CHEMICAL ANALYSIS																		
						C71	C73	C72	C74	C75	C81	C77	C76	C83	C84	C78	C82	C79	C80	C85	As	Sn		
						C %	Si %	Mn %	P %	S %	Cu %	Al %	N %	B %	V %	Ti %	Nb %	Cr %	Ni %	Mo %	As %	Sn %		
5	317308	00100	2130	4	022494	.0734	.0144	.9484	.0104	.0022	.0089	.0325	.0045	.0001	.0013	.0017	.0490	.0232	.0279	.0022	.0007	.0011		
						4723575	022494	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	317308	00200	2130	4	022494	.0734	.0144	.9484	.0104	.0022	.0089	.0325	.0045	.0001	.0013	.0017	.0490	.0232	.0279	.0022	.0007	.0011		
						4723576	022494	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	317308	00300	2135	4	022494	.0734	.0144	.9484	.0104	.0022	.0089	.0325	.0045	.0001	.0013	.0017	.0490	.0232	.0279	.0022	.0007	.0011		
						4723577	022494	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	317308	00400	2135	4	022494	.0734	.0144	.9484	.0104	.0022	.0089	.0325	.0045	.0001	.0013	.0017	.0490	.0232	.0279	.0022	.0007	.0011		
						4723578	022494	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	317308	00500	2130	4	022494	.0734	.0144	.9484	.0104	.0022	.0089	.0325	.0045	.0001	.0013	.0017	.0490	.0232	.0279	.0022	.0007	.0011		
						4723579	022494	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	317308	00600	2130	4	022494	.0734	.0144	.9484	.0104	.0022	.0089	.0325	.0045	.0001	.0013	.0017	.0490	.0232	.0279	.0022	.0007	.0011		
						4723580	022494	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	317308	00700	2135	4	022494	.0734	.0144	.9484	.0104	.0022	.0089	.0325	.0045	.0001	.0013	.0017	.0490	.0232	.0279	.0022	.0007	.0011		
						4723581	022494	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	317308	00800	2135	4	022494	.0734	.0144	.9484	.0104	.0022	.0089	.0325	.0045	.0001	.0013	.0017	.0490	.0232	.0279	.0022	.0007	.0011		
						4723582	022494	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	317308	00900	2130	4	022494	.0734	.0144	.9484	.0104	.0022	.0089	.0325	.0045	.0001	.0013	.0017	.0490	.0232	.0279	.0022	.0007	.0011		
						4723583	022494	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	317308	01100	2135	4	022494	.0734	.0144	.9484	.0104	.0022	.0089	.0325	.0045	.0001	.0013	.0017	.0490	.0232	.0279	.0022	.0007	.0011		
						4723585	022494	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	317308	01200	2135	4	022494	.0734	.0144	.9484	.0104	.0022	.0089	.0325	.0045	.0001	.0013	.0017	.0490	.0232	.0279	.0022	.0007	.0011		
						4723586	022494	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	317308	01300	2140	4	022494	.0734	.0144	.9484	.0104	.0022	.0089	.0325	.0045	.0001	.0013	.0017	.0490	.0232	.0279	.0022	.0007	.0011		
						4723587	022494	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
			12				25600																	

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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A06.1 CUSTOMER
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 A06.2 CONSIGNEE
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A08.2 ITEM	B09 THICKNESS mm	B10 WIDTH mm	B11 LENGTH mm
5	15.00	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 %	C81 Cu %	C77 Al %	C76 N %	C83 B %	C84 V %	C78 Ti %	C82 Nb %	C79 Cr %	C80 Ni %	C85 Mo %	As %	Sn %
TOTAL	12		25600																			

A08.2 ITEM	B07.1 COILNO	B07.1 PART	B13 WEIGHT kg	B08 AMOUNT	B07.2 HEAT	TENSILE TEST						BEND TEST		SHOCK TEST					
						C02 PR °	C04 MAZ	C03 Temp °C	C11 yield Re MPa	C12 p. strength Rm MPa	C13 Al20mm %	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
5	317308	00100	2130	4	022494	0	F	20	399	499	29.5	1	.8	0	-20	270	274	305	283
						4723575	90	F	20	431	526	27							
	317308	00200	2130	4	022494	0	F	20	399	499	29.5	1	.8	0	-20	270	274	305	283
						4723576	90	F	20	431	526	27							
	317308	00300	2135	4	022494	0	F	20	399	499	29.5	1	.8	0	-20	270	274	305	283
						4723577	90	F	20	431	526	27							
	317308	00400	2135	4	022494	0	F	20	399	499	29.5	1	.8	0	-20	270	274	305	283
						4723578	90	F	20	431	526	27							
	317308	00500	2130	4	022494	0	F	20	399	499	29.5	1	.8	0	-20	270	274	305	283
						4723579	90	F	20	431	526	27							
	317308	00600	2130	4	022494	0	F	20	399	499	29.5	1	.8	0	-20	270	274	305	283
						4723580	90	F	20	431	526	27							
	317308	00700	2135	4	022494	0	F	20	399	499	29.5	1	.8	0	-20	270	274	305	283
						4723581	90	F	20	431	526	27							
	317308	00800	2135	4	022494	0	F	20	399	499	29.5	1	.8	0	-20	270	274	305	283
						4723582	90	F	20	431	526	27							
	317308	00900	2130	4	022494	0	F	20	399	499	29.5	1	.8	0	-20	270	274	305	283
						4723583	90	F	20	431	526	27							

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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5	15.00	1500.00	3000.00

A08.2 ITEM	B07.1 COILNO	B07.1 PART	B13 WEIGHT kg	B08 AMOUNT	B07.2 HEAT	TENSILE TEST						BEND TEST	SHOCK TEST						
						C02	C04	C03	C11 yield p.	C12 strength	C13	C50	C44	C02	C03	C42	C42	C42	C43
						PR °	MAZ	Temp °C	Re MPa	Rm MPa	A120mm %	Fa	S0 cm ²	PR °	Temp °C	KV2_1 J	KV2_2 J	KV2_3 J	KV2_m J
5	317308	01100	2135	4	022494	0	F	20	399	499	29.5	1	.8	0	-20	270	274	305	283
	4723585				022494	90	F	20	431	526	27								
	317308	01200	2135	4	022494	0	F	20	399	499	29.5	1	.8	0	-20	270	274	305	283
	4723586				022494	90	F	20	431	526	27								
	317308	01300	2140	4	022494	0	F	20	399	499	29.5	1	.8	0	-20	270	274	305	283
	4723587				022494	90	F	20	431	526	27								
			12		25600														
TOTAL			12		25600														

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

BREMEN 01.04.2020



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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