



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
20200025440-00

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 **0000968978**
DATE 24.04.2020

A08.1 MANUFACTURER'S ORDER NR **1958220**
DATE 03.12.2019
AGENCY'S ORDER NR. GH01KON005005

A07 CUSTOMER'S ORDER NUMBER
1113493

A10 PART NUMBER
XR355158

A06.1 CUSTOMER
OY KONTINO AB

HAKINTIE, 6
01380 VANTAA
Finnland

A06.2 CONSIGNEE
OY KONTINO AB

HAKINTIE, 6
01380 VANTAA
Finnland

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

01380 VANTAA

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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	091064	00100	2130	4	022747	.0746	.0141	.9413	.0090	.0039	.0164	.0266	.0047	.0001	.0009	.0010	.0508	.0358	.0341	.0047	.0012	.0015		
						4730848	022747	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	091064	00200	2130	4	022747	.0746	.0141	.9413	.0090	.0039	.0164	.0266	.0047	.0001	.0009	.0010	.0508	.0358	.0341	.0047	.0012	.0015		
						4730849	022747	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	091064	00300	2130	4	022747	.0746	.0141	.9413	.0090	.0039	.0164	.0266	.0047	.0001	.0009	.0010	.0508	.0358	.0341	.0047	.0012	.0015		
						4730850	022747	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	091064	00400	2135	4	022747	.0746	.0141	.9413	.0090	.0039	.0164	.0266	.0047	.0001	.0009	.0010	.0508	.0358	.0341	.0047	.0012	.0015		
						4730851	022747	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	091064	00500	2130	4	022747	.0746	.0141	.9413	.0090	.0039	.0164	.0266	.0047	.0001	.0009	.0010	.0508	.0358	.0341	.0047	.0012	.0015		
						4730852	022747	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	091064	00600	2130	4	022747	.0746	.0141	.9413	.0090	.0039	.0164	.0266	.0047	.0001	.0009	.0010	.0508	.0358	.0341	.0047	.0012	.0015		
						4730853	022747	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	091064	00700	2135	4	022747	.0746	.0141	.9413	.0090	.0039	.0164	.0266	.0047	.0001	.0009	.0010	.0508	.0358	.0341	.0047	.0012	.0015		
						4730854	022747	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	091064	00800	2135	4	022747	.0746	.0141	.9413	.0090	.0039	.0164	.0266	.0047	.0001	.0009	.0010	.0508	.0358	.0341	.0047	.0012	.0015		
						4730855	022747	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	091064	00900	2130	4	022747	.0746	.0141	.9413	.0090	.0039	.0164	.0266	.0047	.0001	.0009	.0010	.0508	.0358	.0341	.0047	.0012	.0015		
						4730856	022747	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	091064	01000	2130	4	022747	.0746	.0141	.9413	.0090	.0039	.0164	.0266	.0047	.0001	.0009	.0010	.0508	.0358	.0341	.0047	.0012	.0015		
						4730857	022747	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	091064	01100	2130	4	022747	.0746	.0141	.9413	.0090	.0039	.0164	.0266	.0047	.0001	.0009	.0010	.0508	.0358	.0341	.0047	.0012	.0015		
						4730858	022747	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	091064	01200	2130	4	022747	.0746	.0141	.9413	.0090	.0039	.0164	.0266	.0047	.0001	.0009	.0010	.0508	.0358	.0341	.0047	.0012	.0015		
						4730859	022747	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000

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
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	091064 4730860	01300	1600	3	022747 022747	.0746	.0141	.9413	.0090	.0039	.0164	.0266	.0047	.0001	.0009	.0010	.0508	.0358	.0341	.0047	.0012	.0015		
	13		27175																					
TOTAL		13																						

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	C12	C13	C50	C44	C02	C03	C42	C42	C42	C43
						PR °	MAZ	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
5	091064 4730848	00100	2130	4	022747 022747	0	F	20	407	511	29	1	.8	0	-20	217	94	181	164
	091064 4730849	00200	2130	4	022747 022747	0	F	20	407	511	29	1	.8	0	-20	217	94	181	164
	091064 4730850	00300	2130	4	022747 022747	0	F	20	407	511	29	1	.8	0	-20	217	94	181	164
	091064 4730851	00400	2135	4	022747 022747	0	F	20	407	511	29	1	.8	0	-20	217	94	181	164
	091064 4730852	00500	2130	4	022747 022747	0	F	20	407	511	29	1	.8	0	-20	217	94	181	164
	091064 4730853	00600	2130	4	022747 022747	0	F	20	407	511	29	1	.8	0	-20	217	94	181	164
	091064 4730854	00700	2135	4	022747 022747	0	F	20	407	511	29	1	.8	0	-20	217	94	181	164

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 specimen size (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 PR °	C04 MAZ	C03 Temp °C	C11 yield p. Re MPa	C12 strength Rm MPa	C13 A120mm %	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	
						5	091064	00800	2135	4	022747	0	F	20	407	511	29	1	.8	0
	4730855				022747	90	F	20	446	527	25.5									
	091064	00900	2130	4	022747	0	F	20	407	511	29	1	.8	0	-20	217	94	181	164	
	4730856				022747	90	F	20	446	527	25.5									
	091064	01000	2130	4	022747	0	F	20	407	511	29	1	.8	0	-20	217	94	181	164	
	4730857				022747	90	F	20	446	527	25.5									
	091064	01100	2130	4	022747	0	F	20	407	511	29	1	.8	0	-20	217	94	181	164	
	4730858				022747	90	F	20	446	527	25.5									
	091064	01200	2130	4	022747	0	F	20	407	511	29	1	.8	0	-20	217	94	181	164	
	4730859				022747	90	F	20	446	527	25.5									
	091064	01300	1600	3	022747	0	F	20	407	511	29	1	.8	0	-20	217	94	181	164	
	4730860				022747	90	F	20	446	527	25.5									
			13																	
TOTAL			13																	

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

BREMEN 24.04.2020



QUALITY DEPARTMENT
SITE EXPERT FOR INSPECTION
Kramer

Andreas 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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