



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
20190053502-00
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
0000892414
07.08.2019
A08.1 MANUFACTURER'S ORDER NR
DATE
AGENCY'S ORDER NR.
1946973
29.05.2019
FH93KON004005
A07 CUSTOMER'S ORDER NUMBER
1112946
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 1.75

ArcelorMittal Bremen GmbH, Postfach 210220, 28222 BREMEN

OY KONTINO AB

HAKINTIE, 6

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JITZ 1.75

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 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 %	
5	509816	00100	2130	4	064304	.0824	.0217	.9406	.0097	.0019	.0097	.0374	.0058	.0001	.0001	.0013	.0527	.0242	.0262	.0023	.0011	.0011	
	4660767																						
	509816	00200	2135	4	064304	.0824	.0217	.9406	.0097	.0019	.0097	.0374	.0058	.0001	.0001	.0013	.0527	.0242	.0262	.0023	.0011	.0011	
	4660768																						
	509816	00300	2135	4	064304	.0824	.0217	.9406	.0097	.0019	.0097	.0374	.0058	.0001	.0001	.0013	.0527	.0242	.0262	.0023	.0011	.0011	
	4660769																						
	509816	00400	2135	4	064304	.0824	.0217	.9406	.0097	.0019	.0097	.0374	.0058	.0001	.0001	.0013	.0527	.0242	.0262	.0023	.0011	.0011	
	4660770																						
	509816	00500	2130	4	064304	.0824	.0217	.9406	.0097	.0019	.0097	.0374	.0058	.0001	.0001	.0013	.0527	.0242	.0262	.0023	.0011	.0011	
	4660771																						
	509816	00600	2135	4	064304	.0824	.0217	.9406	.0097	.0019	.0097	.0374	.0058	.0001	.0001	.0013	.0527	.0242	.0262	.0023	.0011	.0011	
	4660772																						
	509816	00700	2135	4	064304	.0824	.0217	.9406	.0097	.0019	.0097	.0374	.0058	.0001	.0001	.0013	.0527	.0242	.0262	.0023	.0011	.0011	
	4660773																						
	509816	00800	2135	4	064304	.0824	.0217	.9406	.0097	.0019	.0097	.0374	.0058	.0001	.0001	.0013	.0527	.0242	.0262	.0023	.0011	.0011	
	4660774																						
	509816	00900	2150	4	064304	.0824	.0217	.9406	.0097	.0019	.0097	.0374	.0058	.0001	.0001	.0013	.0527	.0242	.0262	.0023	.0011	.0011	
	4660775																						
	509816	01000	2150	4	064304	.0824	.0217	.9406	.0097	.0019	.0097	.0374	.0058	.0001	.0001	.0013	.0527	.0242	.0262	.0023	.0011	.0011	
	4660776																						
	509816	01100	2135	4	064304	.0824	.0217	.9406	.0097	.0019	.0097	.0374	.0058	.0001	.0001	.0013	.0527	.0242	.0262	.0023	.0011	.0011	
	4660777																						
	509816	01200	1605	3	064304	.0824	.0217	.9406	.0097	.0019	.0097	.0374	.0058	.0001	.0001	.0013	.0527	.0242	.0262	.0023	.0011	.0011	
	4660778																						
		12	25110																				
TOTAL		12	25110																				

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 1.75

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

A08.2 ITEM	B07.1 COIL NO	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 cm²	C02 PR °	C03 Temp °C	C42 KV2_1 J	C42 KV2_2 J	C42 KV2_3 J	C43 KV2_m J
						0			MPa	MPa	%		cm²	°	°C	J	J	J	J
5	509816	00100	2130	4	064304	0	F	20	413	520	28.5	1	.8	0	-20	232	242	232	235
	4660767																		
	509816	00200	2135	4	064304	0	F	20	413	520	28.5	1	.8	0	-20	232	242	232	235
	4660768																		
	509816	00300	2135	4	064304	0	F	20	413	520	28.5	1	.8	0	-20	232	242	232	235
	4660769																		
	509816	00400	2135	4	064304	0	F	20	413	520	28.5	1	.8	0	-20	232	242	232	235
	4660770																		
	509816	00500	2130	4	064304	0	F	20	413	520	28.5	1	.8	0	-20	232	242	232	235
	4660771																		
	509816	00600	2135	4	064304	0	F	20	413	520	28.5	1	.8	0	-20	232	242	232	235
	4660772																		
	509816	00700	2135	4	064304	0	F	20	413	520	28.5	1	.8	0	-20	232	242	232	235
	4660773																		
	509816	00800	2135	4	064304	0	F	20	413	520	28.5	1	.8	0	-20	232	242	232	235
	4660774																		
	509816	00900	2150	4	064304	0	F	20	413	520	28.5	1	.8	0	-20	232	242	232	235
	4660775																		
	509816	01000	2150	4	064304	0	F	20	413	520	28.5	1	.8	0	-20	232	242	232	235
	4660776																		
	509816	01100	2135	4	064304	0	F	20	413	520	28.5	1	.8	0	-20	232	242	232	235
	4660777																		
	509816	01200	1605	3	064304	0	F	20	413	520	28.5	1	.8	0	-20	232	242	232	235
	4660778																		
			12																
																			25110

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	B07.1 COILNO	B07.1 PART	B13 WEIGHT kg	B08 AMOUNT	B07.2 HEAT	TENSILE TEST						BENDTEST		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
TOTAL						12	25110										

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

BREMEN 07.08.2019



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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