



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/ 02
20190006275-00

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 0000816686
25.01.2019

A08.1 MANUFACTURER'S ORDER NR 1827858
DATE 09.07.2018
AGENCY'S ORDER NR. FH83KON005001

A07 CUSTOMER'S ORDER NUMBER
1112074

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

127853



Kontino Oy Ab

PRODUCT: hot rolled unpickled sheet

QUALITY: AMSTRONG 355MC

STANDARD: AM FCE

TERMS OF DELIVERY: EN 10051 (2010)

JITZ 1.74

A08.2 ITEM	B09 THICKNESS mm	B10 WIDTH mm	B11 LENGTH mm
1	15.00	1500.00	3000.00

A08.2 ITEM	B07.1 COIL NO	B07.1 PART	B13 WEIGHT kg	B08 AMOUNT	B07.2 HEAT	CHEMICAL ANALYSIS															
						C71	C73	C72	C74	C75		C77	C76								
						C	Si	Mn	P	S		Cu	Al	N	B	V	Ti	Nb	Cr	Ni	Mo
						%	%	%	%	%		%	%	%	%	%	%	%	%	%	%
1	611489	00100	2670	5	056593	.0789	.0226	.9503	.0083	.0019	.0224	.0347	.0041	.0001	.0007	.0016	.0529	.0426	.0384	.0054	.0015
	4598537																				
	611489	00200	2665	5	056593	.0789	.0226	.9503	.0083	.0019	.0224	.0347	.0041	.0001	.0007	.0016	.0529	.0426	.0384	.0054	.0015
	4598538																				
	611489	00300	2670	5	056593	.0789	.0226	.9503	.0083	.0019	.0224	.0347	.0041	.0001	.0007	.0016	.0529	.0426	.0384	.0054	.0015
	4598539																				
	611489	00400	2670	5	056593	.0789	.0226	.9503	.0083	.0019	.0224	.0347	.0041	.0001	.0007	.0016	.0529	.0426	.0384	.0054	.0015
	4598540																				
	611489	00500	2670	5	056593	.0789	.0226	.9503	.0083	.0019	.0224	.0347	.0041	.0001	.0007	.0016	.0529	.0426	.0384	.0054	.0015
	4598541																				
	611489	00600	2670	5	056593	.0789	.0226	.9503	.0083	.0019	.0224	.0347	.0041	.0001	.0007	.0016	.0529	.0426	.0384	.0054	.0015
	4598542																				
	611489	00700	2670	5	056593	.0789	.0226	.9503	.0083	.0019	.0224	.0347	.0041	.0001	.0007	.0016	.0529	.0426	.0384	.0054	.0015
	4598543																				
	611489	00800	2670	5	056593	.0789	.0226	.9503	.0083	.0019	.0224	.0347	.0041	.0001	.0007	.0016	.0529	.0426	.0384	.0054	.0015
	4598544																				
	611489	00900	530	1	056593	.0789	.0226	.9503	.0083	.0019	.0224	.0347	.0041	.0001	.0007	.0016	.0529	.0426	.0384	.0054	.0015
	4598545																				
	9		21885																		
TOTAL		9	21885																		

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	C03	C11	C12	C13	C50	C44	C02	C03	C42	C42
						PR	Temp	yield	p. strength			S0	PR	Temp	KV2 1	KV2 2
						°	°C	Re	Rm	A120mm	Fa	cm²	°	°C	J	J
								MPa	MPa	%						

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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A08.2 ITEM	B09 THICKNESS mm	B10 WIDTH mm	B11 LENGTH mm
1	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				C13 A120mm %	BEND TEST		SHOCK TEST				C42 KV2 3 J	C43 KV2 m J
						C02 PR °	C03 Temp °C	C11 yield p. Re MPa	C12 strength Rm MPa		C50 Fa	C44 S0 cm²	C02 PR °	C03 Temp °C	C42 KV2 1 J	C42 KV2 2 J		
1	611489	00100	2670	5	056593	0	20	408	513	28.5	1	.8	0	-20	229	220	219	222
	4598537																	
	611489	00200	2665	5	056593	0	20	408	513	28.5	1	.8	0	-20	229	220	219	222
	4598538																	
	611489	00300	2670	5	056593	0	20	408	513	28.5	1	.8	0	-20	229	220	219	222
	4598539																	
	611489	00400	2670	5	056593	0	20	408	513	28.5	1	.8	0	-20	229	220	219	222
	4598540																	
	611489	00500	2670	5	056593	0	20	408	513	28.5	1	.8	0	-20	229	220	219	222
	4598541																	
	611489	00600	2670	5	056593	0	20	408	513	28.5	1	.8	0	-20	229	220	219	222
	4598542																	
	611489	00700	2670	5	056593	0	20	408	513	28.5	1	.8	0	-20	229	220	219	222
	4598543																	
	611489	00800	2670	5	056593	0	20	408	513	28.5	1	.8	0	-20	229	220	219	222
	4598544																	
	611489	00900	530	1	056593	0	20	408	513	28.5	1	.8	0	-20	229	220	219	222
	4598545																	
	9		21885															
TOTAL	9		21885															

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

BREMEN 25.01.2019



QUALITY DEPARTMENT
SITE EXPERT FOR INSPECTION
Kramer

Klaus 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 specimen size (C44)