



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
20180085842-00

Inspection certificate 3.1 EN 10204

A05 ORIGINATOR OF THE DOCUMENT
ArcelorMittal Bremen GmbH
Abnahme/Zugunisschreibung
zeugnisse.bremen@arcelormittal.com
Telefon 0421/6482813

A09 DISPATCH NOTE
DATE

0000790227
16.11.2018

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

127136



Kontino Oy Ab

PRODUCT: hot rolled unpickled sheet

QUALITY: **AMSTRONG 355MC**

STANDARD: **AM FCE**

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

JITZ 1.74

ArcelorMittal Bremen GmbH, Postfach 210220, 28222 BREMEN

OY KONTINO AB

HAKINTIE, 6

01380 VANTAA

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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 COILNO	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 %	As %	Sn %	
1	512407	00100	2680	5	530543	.0830	.0203	.9274	.0099	.0024	.0052	.0354	.0049	00000	.0029	.0010	.0502	.0144	.0132	.0001	.0007	.0016	
	4588850																						
	512407	00200	2685	5	530543	.0830	.0203	.9274	.0099	.0024	.0052	.0354	.0049	00000	.0029	.0010	.0502	.0144	.0132	.0001	.0007	.0016	
	4588851																						
	512407	00300	2685	5	530543	.0830	.0203	.9274	.0099	.0024	.0052	.0354	.0049	00000	.0029	.0010	.0502	.0144	.0132	.0001	.0007	.0016	
	4588852																						
	512407	00400	2685	5	530543	.0830	.0203	.9274	.0099	.0024	.0052	.0354	.0049	00000	.0029	.0010	.0502	.0144	.0132	.0001	.0007	.0016	
	4588853																						
	512407	00500	2690	5	530543	.0830	.0203	.9274	.0099	.0024	.0052	.0354	.0049	00000	.0029	.0010	.0502	.0144	.0132	.0001	.0007	.0016	
	4588854																						
	512407	00600	2690	5	530543	.0830	.0203	.9274	.0099	.0024	.0052	.0354	.0049	00000	.0029	.0010	.0502	.0144	.0132	.0001	.0007	.0016	
	4588855																						
	512407	00700	2690	5	530543	.0830	.0203	.9274	.0099	.0024	.0052	.0354	.0049	00000	.0029	.0010	.0502	.0144	.0132	.0001	.0007	.0016	
	4588856																						
	512407	00800	2690	5	530543	.0830	.0203	.9274	.0099	.0024	.0052	.0354	.0049	00000	.0029	.0010	.0502	.0144	.0132	.0001	.0007	.0016	
	4588857																						
	512407	00900	2690	5	530543	.0830	.0203	.9274	.0099	.0024	.0052	.0354	.0049	00000	.0029	.0010	.0502	.0144	.0132	.0001	.0007	.0016	
	4588858																						
	512407	01000	1620	3	530543	.0830	.0203	.9274	.0099	.0024	.0052	.0354	.0049	00000	.0029	.0010	.0502	.0144	.0132	.0001	.0007	.0016	
	4588860																						
	10		25805																				
TOTAL	10		25805																				

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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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 COILNO	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	C42	C43
						PR °	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
1	512407	00100	2680	5	530543	0	20	413	517	28.5	1	.8	0	-20	246	253	213	237
	4588850																	
	512407	00200	2685	5	530543	0	20	413	517	28.5	1	.8	0	-20	246	253	213	237
	4588851																	
	512407	00300	2685	5	530543	0	20	413	517	28.5	1	.8	0	-20	246	253	213	237
	4588852																	
	512407	00400	2685	5	530543	0	20	413	517	28.5	1	.8	0	-20	246	253	213	237
	4588853																	
	512407	00500	2690	5	530543	0	20	413	517	28.5	1	.8	0	-20	246	253	213	237
	4588854																	
	512407	00600	2690	5	530543	0	20	413	517	28.5	1	.8	0	-20	246	253	213	237
	4588855																	
	512407	00700	2690	5	530543	0	20	413	517	28.5	1	.8	0	-20	246	253	213	237
	4588856																	
	512407	00800	2690	5	530543	0	20	413	517	28.5	1	.8	0	-20	246	253	213	237
	4588857																	
	512407	00900	2690	5	530543	0	20	413	517	28.5	1	.8	0	-20	246	253	213	237
	4588858																	
	512407	01000	1620	3	530543	0	20	413	517	28.5	1	.8	0	-20	246	253	213	237
	4588860																	
	10		25805															
TOTAL	10		25805															

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

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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JITZ 1.74

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



BREMEN 16.11.2018

QUALITY DEPARTMENT
SITE EXPERT FOR INSPECTION
Kramer

Joachim 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)