



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

A02
CERTIFICATE

A03 Page: 01 / 03
20200011411-00

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 **0000950519**
DATE 19.02.2020

A08.1 MANUFACTURER'S ORDER NR **1957184**
DATE 18.11.2019
AGENCY'S ORDER NR. GH01KON001006

A07 CUSTOMER'S ORDER NUMBER
1113452

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

01380 VANTAA

Finland



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 A08.1 MANUFACTURER'S ORDER NR **1957184**
 DATE 18.11.2019
 AGENCY'S ORDER NR. GH01KON001006
 A07 CUSTOMER'S ORDER NUMBER
 1113452
 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** STANDARD: **AM FCE**
 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
6	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 %			
6	089028 4709986	00100	2130	4	020848	.0725	.0212	.9628	.0078	.0013	.0169	.0354	.0052	.0001	.0004	.0018	.0517	.0328	.0436	.0049	.0011	.0020			
						0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	089028 4709987	00200	2130	4	020848	.0725	.0212	.9628	.0078	.0013	.0169	.0354	.0052	.0001	.0004	.0018	.0517	.0328	.0436	.0049	.0011	.0020			
						0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	089028 4709988	00300	2130	4	020848	.0725	.0212	.9628	.0078	.0013	.0169	.0354	.0052	.0001	.0004	.0018	.0517	.0328	.0436	.0049	.0011	.0020			
						0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	089028 4709989	00400	2130	4	020848	.0725	.0212	.9628	.0078	.0013	.0169	.0354	.0052	.0001	.0004	.0018	.0517	.0328	.0436	.0049	.0011	.0020			
						0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	089028 4709990	00500	2130	4	020848	.0725	.0212	.9628	.0078	.0013	.0169	.0354	.0052	.0001	.0004	.0018	.0517	.0328	.0436	.0049	.0011	.0020			
						0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	089028 4709991	00600	2135	4	020848	.0725	.0212	.9628	.0078	.0013	.0169	.0354	.0052	.0001	.0004	.0018	.0517	.0328	.0436	.0049	.0011	.0020			
						0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	089028 4709992	00700	1595	3	020848	.0725	.0212	.9628	.0078	.0013	.0169	.0354	.0052	.0001	.0004	.0018	.0517	.0328	.0436	.0049	.0011	.0020			
						0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
		7	14380																						
TOTAL		7	14380																						

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
6	089028 4709986	00100	2130	4	020848	0	F	20	414	520	28.5	1	.8	0	-20	283	242	251	258
						90	F	20	454	527	24.5								

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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6	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	C04	C03	C11	C12	C13	C50	C44	C02	C03	C42	C42	C42	C43
						PR °	MAZ	Temp °C	yield p. Re MPa	strength Rm MPa	A120mm %	Fa	S0 cm ²	PR °	Temp °C	KV2_1 J	KV2_2 J	KV2_3 J	KV2_m J
6	089028	00200	2130	4	020848	0	F	20	414	520	28.5	1	.8	0	-20	283	242	251	258
	4709987				020848	90	F	20	454	527	24.5								
	089028	00300	2130	4	020848	0	F	20	414	520	28.5	1	.8	0	-20	283	242	251	258
	4709988				020848	90	F	20	454	527	24.5								
	089028	00400	2130	4	020848	0	F	20	414	520	28.5	1	.8	0	-20	283	242	251	258
	4709989				020848	90	F	20	454	527	24.5								
	089028	00500	2130	4	020848	0	F	20	414	520	28.5	1	.8	0	-20	283	242	251	258
	4709990				020848	90	F	20	454	527	24.5								
	089028	00600	2135	4	020848	0	F	20	414	520	28.5	1	.8	0	-20	283	242	251	258
	4709991				020848	90	F	20	454	527	24.5								
	089028	00700	1595	3	020848	0	F	20	414	520	28.5	1	.8	0	-20	283	242	251	258
	4709992				020848	90	F	20	454	527	24.5								
		7		14380															
TOTAL		7		14380															

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


BREMEN 19.02.2020

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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