



ArcelorMittal Bremen GmbH
 Postfach 210220
 28222 BREMEN
 Carl-Benz-Strasse 30
 28237 BREMEN
 Telefon 0421/6480
 Telefax 0421/648251

A02
 CERTIFICATE

Inspection certificate 3.1 EN 10204

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

A03 Page: 01 / 03
20160048612-00

A09 DISPATCH NOTE
 DATE

0000416649
 08.07.2016

A08.1 MANUFACTURER'S ORDER NR **1667263**
 DATE 11.04.2016
 AGENCY'S ORDER NR. FH6FFBY003001

A07 CUSTOMER'S ORDER NUMBER
 P042127/P042127/001

A10 PART NUMBER
 2101430502 4789 3.1

A06.1 CUSTOMER
BE GROUP OY AB
HELSINGINITIE 50
15101 LAHTI
Finland

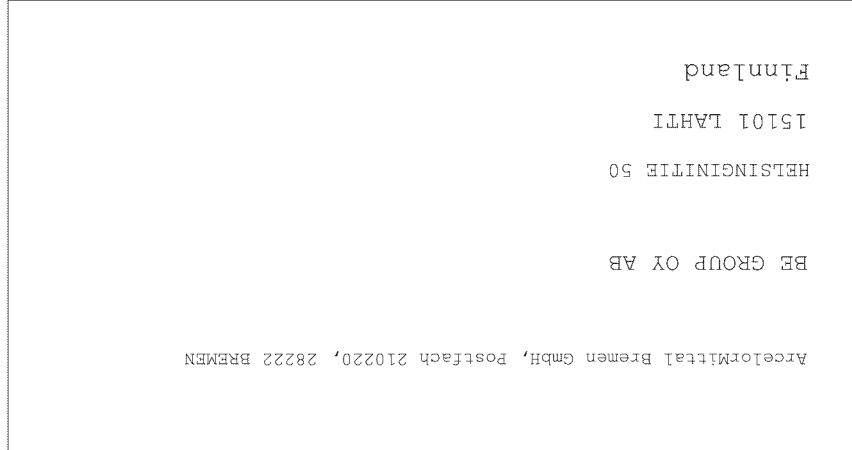
A06.2 CONSIGNEE
BE Group OY AB, KELAVARASTO
VANHANRADANKATU 42
15522 LAHTI
Finland

PRODUCT: hot rolled unpickled sheet
 TERMS OF DELIVERY: **EN 10051 (2010)**

QUALITY: **AMSTRONG 355MC**
S355MC

STANDARD: **AM FCE**
EN 10149-2 (00-09-1995)

JITZ 1.73





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A08.2 ITEM	B07.1 COILNO	B09 PART	B10 WIDTH mm	B11 LENGTH mm
1	15.00	1500.00	3000.00	

A08.2 ITEM	B07.1 COILNO	B07.2 HEAT	B13 WEIGHT kg	B14 B08 AMOUNT	CHEMICAL ANALYSIS																		
					C71 %	C72 %	C73 %	C74 %	C75 %	C76 %	C77 %	C78 %	N %	B %	V %	Ti %	Nb %	Cr %	Ni %	Mo %	As %	Sn %	
1	166730	00100	2130	4	026438	.0749	.0195	.9388	.0091	.0017	.0149	.0399	.0063	.0003	.0001	.0019	.0526	.0333	.0358	.0044	.0011	.0014	
		4375915																					
		166730	00200	2660	5	026438	.0749	.0195	.9388	.0091	.0017	.0149	.0399	.0063	.0003	.0001	.0019	.0526	.0333	.0358	.0044	.0011	.0014
			4375916																				
		166730	00300	2655	5	026438	.0749	.0195	.9388	.0091	.0017	.0149	.0399	.0063	.0003	.0001	.0019	.0526	.0333	.0358	.0044	.0011	.0014
			4375917																				
		166730	00400	2660	5	026438	.0749	.0195	.9388	.0091	.0017	.0149	.0399	.0063	.0003	.0001	.0019	.0526	.0333	.0358	.0044	.0011	.0014
			4375918																				
		166730	00500	2660	5	026438	.0749	.0195	.9388	.0091	.0017	.0149	.0399	.0063	.0003	.0001	.0019	.0526	.0333	.0358	.0044	.0011	.0014
			4375919																				
		166730	00600	2665	5	026438	.0749	.0195	.9388	.0091	.0017	.0149	.0399	.0063	.0003	.0001	.0019	.0526	.0333	.0358	.0044	.0011	.0014
			4375920																				
		166730	00700	2665	5	026438	.0749	.0195	.9388	.0091	.0017	.0149	.0399	.0063	.0003	.0001	.0019	.0526	.0333	.0358	.0044	.0011	.0014
			4375921																				
		166730	00800	2660	5	026438	.0749	.0195	.9388	.0091	.0017	.0149	.0399	.0063	.0003	.0001	.0019	.0526	.0333	.0358	.0044	.0011	.0014
			4375922																				
		166730	00900	2655	5	026438	.0749	.0195	.9388	.0091	.0017	.0149	.0399	.0063	.0003	.0001	.0019	.0526	.0333	.0358	.0044	.0011	.0014
			4375924																				
TOTAL	9		23410																				
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TENSILE TEST	BEND TEST					SHOCK TEST				
C01 yield strength Re MPa	C02 p. strength Rm MPa	C11 Re MPa	C12 Rm MPa	C13 A120mm %	C50 Fa	C44 S0 cm ²	C43 PR °C	C42 KV2 J	C41 KV2 J	C40 KV2 J

A08.2 ITEM	B07.1 COILNO	B08 PART	B13 WEIGHT kg	B14 B08 AMOUNT	B07.2 HEAT	TENSILE TEST					BEND TEST					SHOCK TEST				
						C01 yield strength Re MPa	C02 p. strength Rm MPa	C11 Re MPa	C12 Rm MPa	C13 A120mm %	C50 Fa	C44 S0 cm ²	C43 PR °C	C42 KV2 J	C41 KV2 J	C40 KV2 J	C39 KV2 J	C38 KV2 m		

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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EN 10149-2 (00-09-1995)

JITZ 1.73

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	B07.2 PART	B08 AMOUNT	B13 WEIGHT kg	TENSILE TEST			BENDTEST/SHOCK TEST									
					C02 PR °C	C03 Temp °C	C11 yield strength Re MPa	C12 p.strength Rm MPa	C13 A120mm %	C50 Fa	C44 S0 cm ²	C42 KV2 1 J	C42 KV2 2 J	C42 KV2 3 J	C43 KV2 in J		
1	16673000100	4 026438	2130	4 026438	0	20	409	514	28.7	1	.8	0	-20	267	312	301	293
	4375915		2660	5 026438	0	20	409	514	28.7	1	.8	0	-20	267	312	301	293
	4375916		2655	5 026438	0	20	409	514	28.7	1	.8	0	-20	267	312	301	293
	4375917		2660	5 026438	0	20	409	514	28.7	1	.8	0	-20	267	312	301	293
	4375918		2660	5 026438	0	20	409	514	28.7	1	.8	0	-20	267	312	301	293
	4375919		2665	5 026438	0	20	409	514	28.7	1	.8	0	-20	267	312	301	293
	4375920		2665	5 026438	0	20	409	514	28.7	1	.8	0	-20	267	312	301	293
	4375921		2660	5 026438	0	20	409	514	28.7	1	.8	0	-20	267	312	301	293
	4375922		2655	5 026438	0	20	409	514	28.7	1	.8	0	-20	267	312	301	293
	4375924		2655	5 026438	0	20	409	514	28.7	1	.8	0	-20	267	312	301	293
TOTAL	9		23410														
	9		23410														

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

BREMEN 08.07.2016

Hesener



QUALITY DEPARTMENT
 SITE EXPERT FOR INSPECTION

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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