



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

A02 CERTIFICATE
Page: 01 / 02
20230007120-00
Inspection certificate 3.1 EN 10204

A03
A09 DISPATCH NOTE
DATE
A08.1 MANUFACTURER'S ORDER NR
DATE
AGENCY'S ORDER NR.
A07 CUSTOMER'S ORDER NUMBER
A10 PART NUMBER

A06.1 CUSTOMER
HTM YHTIOT OY
TILITEHTAANTIE 23
12310 RYTTYLAE
Finland
A06.2 CONSIGNEE
HTM YHTIOT OY
TILITEHTAANTIE 23
12310 RYTTYLAE
Finland

PRODUCT: **hot rolled pickled coil** STANDARD: **AM FCE**
 TERMS OF DELIVERY: **EN 10051 (2010)** STANDARD: **EN 10149-2 (00-09-2013)**
 QUALITY: **AMSTRONG@355MC S355MC**

ITEM	B09 THICKNESS mm	B10 WIDTH mm
4	5.00	1500.00

A08.2 ITEM	B07.1 COILNO	B07.2 HEAT	B13 WEIGHT kg	CHEMICAL ANALYSIS																
				C %	Si %	Mn %	P %	S %	Cu %	AL %	N %	B %	V %	Ti %	Nb %	Cr %	Ni %	Mo %	As %	Sn %
4	446026	50000	11380	.0704	.0128	.5277	.0072	.0033	.0164	.0383	.0044	.0001	.0007	.0006	.0255	.0225	.0365	.0030	.0013	.0015
				054888																
	446026	50100	11400	.0704	.0128	.5277	.0072	.0033	.0164	.0383	.0044	.0001	.0007	.0006	.0255	.0225	.0365	.0030	.0013	.0015
				054888																
	446026	50200	12380	.0704	.0128	.5277	.0072	.0033	.0164	.0383	.0044	.0001	.0007	.0006	.0255	.0225	.0365	.0030	.0013	.0015
				054888																
	446028	50000	11420	.0694	.0153	.5439	.0094	.0020	.0122	.0287	.0051	.0001	.0036	.0006	.0236	.0212	.0424	.0044	.0010	.0012
				054887																
	446028	50100	11390	.0694	.0153	.5439	.0094	.0020	.0122	.0287	.0051	.0001	.0036	.0006	.0236	.0212	.0424	.0044	.0010	.0012
				054887																

TOTAL	5	57970
	5	57970

A08.2 ITEM	B07.1 COILNO	B07.2 HEAT	B13 WEIGHT kg	TENSILE TEST										BENDTEST/SHOCK TEST					
				PR °	MAZ °	Temp °C	yield p. Re MPa	strength Rm MPa	C11	C12	C13	C50 Fa	S0 cm²	PR °	Temp °C	KV2VP 1 J	KV2VP 2 J	KV2VP 3 J	
4	446026	50000	11380	0	F	20	407	490	34	1	.8	0	-20	214	194	226	211		
				054888	90	F	20	414	486	31									
	446026	50100	11400	0	F	20	407	490	34	1	.8	0	-20	214	194	226	211		
				054888	90	F	20	414	486	31									
	446026	50200	12380	0	F	20	407	490	34	1	.8	0	-20	214	194	226	211		
				054888	90	F	20	414	486	31									

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)

JITZ 1.80



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

A02 CERTIFICATE
Page: 02 / 02
20230007120-00
Inspection certificate 3.1 EN 10204

A03
A09 DISPATCH NOTE
DATE
A08.1 MANUFACTURER'S ORDER NR
DATE
AGENCY'S ORDER NR.
A07 CUSTOMER'S ORDER NUMBER
A10 PART NUMBER

A06.1 CUSTOMER
HTM YHTIOT OY
TILITEHTAANTIE 23
12310 RYTTYLAE
Finland
A06.2 CONSIGNEE
HTM YHTIOT OY
TILITEHTAANTIE 23
12310 RYTTYLAE
Finland

PRODUCT: **hot rolled pickled coil** STANDARD: **AM FCE**
 TERMS OF DELIVERY: **EN 10051 (2010)** STANDARD: **EN 10149-2 (00-09-2013)**
 QUALITY: **AMSTRONG@355MC** STANDARD: **AM FCE**
 S355MC

ITEM	B09 THICKNESS mm	B10 WIDTH mm
4	5.00	1500.00

A08.2 ITEM	B07.1 COIL NO	B07.1 PART	B13 WEIGHT kg	TENSILE TEST		BENDTESTSHOCK TEST										
				C02 PR °	C04 MAZ Temp °C	C11 yield p. strength Re MPa	C12 Rm strength MPa	C13 A5mm %	C50 Fa	C44 S0 cm²	C02 PR °	C03 Temp °C	C42 KV2VP J	C42 KV2VP J	C43 KV2VP m J	
4	446028	50000	11420	0	F 20	405	488	34	1	.8	0	-20	196	192	206	198
				90	F 20	411	484	31.5								
	446028	50100	11390	0	F 20	405	488	34	1	.8	0	-20	196	192	206	198
				90	F 20	411	484	31.5								

TOTAL	5	57970
-------	---	-------

Handwritten signature



QUALITY DEPARTMENT
SITE EXPERT FOR INSPECTION
Kochanowski

BREMEN 27.01.2023

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 specimensize (C44)
--	--	----------------------	---