



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
20210003522-00
 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
 DATE 0000041644
 16.01.2021
 A08.1 MANUFACTURER'S ORDER NR **2079259**
 DATE 13.11.2020
 AGENCY'S ORDER NR. GH11HTH001005
 A07 CUSTOMER'S ORDER NUMBER
 14432/14432/005
 A10 PART NUMBER
 AMSTRONG355MC_PICKLED

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

PRODUCT: hot rolled pickled coil QUALITY: **AMSTRONG@355MC** STANDARD: **BP**
 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
5	6.00	1500.00

A08.2 ITEM	B07.1 COILNO	B07.1 PART	B13 WEIGHT kg	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 %
5	195804	50000	12020	030644	.0699	.0160	.5313	.0104	.0039	.0341	.0405	.0043	.0001	.0001	.0008	.0240	.0353	.0300	.0029	.0015	.0017
				030644	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	195804	50100	12010	030644	.0699	.0160	.5313	.0104	.0039	.0341	.0405	.0043	.0001	.0001	.0008	.0240	.0353	.0300	.0029	.0015	.0017
				030644	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	195804	50200	13110	030644	.0699	.0160	.5313	.0104	.0039	.0341	.0405	.0043	.0001	.0001	.0008	.0240	.0353	.0300	.0029	.0015	.0017
				030644	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
	220777	50000	13370	030979	.0677	.0138	.5219	.0117	.0049	.0228	.0388	.0036	.0002	.0011	.0010	.0235	.0358	.0301	.0032	.0017	.0017
				030979	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000
			4	50510																	
TOTAL			4	50510																	

A08.2 ITEM	B07.1 COILNO	B07.1 PART	B13 WEIGHT kg	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	yield p.	strength	A60mm	Fa	S0	PR	Temp	KV2_1	KV2_2	KV2_3	KV2_m
5	195804	50000	12020	030644	0	F	20	408	491	34	1	.8	0	-20	250	238	240	242
				030644	90	F	20	412	487	31.5								
	195804	50100	12010	030644	0	F	20	408	491	34	1	.8	0	-20	250	238	240	242
				030644	90	F	20	412	487	31.5								
	195804	50200	13110	030644	0	F	20	408	491	34	1	.8	0	-20	250	238	240	242
				030644	90	F	20	412	487	31.5								
	220777	50000	13370	030979	0	F	20	403	485	34	1	.8	0	-20	250	278	264	264
				030979	90	F	20	407	480	32								
			4	50510														

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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A08.2 ITEM	B07.1 COILNO	B07.1 PART	B13 WEIGHT kg	B07.2 HEAT	TENSILE TEST							BENDTEST	SHOCK TEST						
					C02 PR	C04 MAZ	C03 Temp °C	C11 yield Re MPa	C12 p. strength Rm MPa	C13 A60mm %	C50 Fa	C44 S0 cm ²	C02 PR	C03 Temp °C	C42 KV2_1 J	C42 KV2_2 J	C42 KV2_3 J	C43 KV2_m J	
TOTAL		4	50510																

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

BREMEN 16.01.2021



QUALITY DEPARTMENT
 SITE EXPERT FOR INSPECTION

Kramer

Juho 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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