

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

A02 CERTIFICATE
 Inspection certificate 3.1 EN 10204

A03 Page: 01 / 03
20180050041-00

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

A09 DISPATCH NOTE
 DATE 03.07.2018
 SHIP
 KAILI

A08.1 MANUFACTURER'S ORDER NR **1824878**
 DATE 09.04.2018
 AGENCY'S ORDER NR. FH82ALU007004

A07 CUSTOMER'S ORDER NUMBER
 42979

A06.1 CUSTOMER
Oy AluSteel Ab
 Telakkatie 4
 23500 Uusikaupunki
 Finnland

A06.2 CONSIGNEE
Oy AluSteel Ab
 Hepokarintie 9
 23500 UUSIKAUPUNKI
 Finnland

PRODUCT: hot rolled pickled coil
 TERMS OF DELIVERY: **EN 10051 (2010)**

QUALITY: **AMSTRONG 355MC**
S355MC

STANDARD: **AM FCE**
EN 10149-2 (00-09-2013)

JITZ 1.74

ArcelorMittal Bremen GmbH, Postfach 210220, 28222 BREMEN
 Oy AluSteel Ab
 Telakkatie 4
 23500 Uusikaupunki
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A08.2 ITEM	B09 THICKNESS mm	B10 WIDTH mm	B11	B12	B13 WEIGHT kg
4	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 %	Cu %	C77 %	C76 %	B %	V %	Ti %	Nb %	Cr %	Ni %	Mo %	As %	Sn %	
4	451048	50000	30400	052230	.0715	.0116	.5417	.0133	.0062	.0055	.0352	.0054	.0001	.0020	.0012	.0212	.0221	.0239	.0018	.0011	.0009	
	451049	50000	30400	052230	.0715	.0116	.5417	.0133	.0062	.0055	.0352	.0054	.0001	.0020	.0012	.0212	.0221	.0239	.0018	.0011	.0009	
	451050	50000	34200	052230	.0715	.0116	.5417	.0133	.0062	.0055	.0352	.0054	.0001	.0020	.0012	.0212	.0221	.0239	.0018	.0011	.0009	
	451051	50000	34020	052231	.0696	.0123	.5426	.0115	.0058	.0055	.0342	.0056	.0001	.0015	.0012	.0229	.0192	.0239	.0016	.0010	.0008	
	451052	50000	34020	052231	.0696	.0123	.5426	.0115	.0058	.0055	.0342	.0056	.0001	.0015	.0012	.0229	.0192	.0239	.0016	.0010	.0008	
	451053	50000	30380	052230	.0715	.0116	.5417	.0133	.0062	.0055	.0352	.0054	.0001	.0020	.0012	.0212	.0221	.0239	.0018	.0011	.0009	
	451054	50000	29780	052230	.0715	.0116	.5417	.0133	.0062	.0055	.0352	.0054	.0001	.0020	.0012	.0212	.0221	.0239	.0018	.0011	.0009	
					7	223200																
TOTAL					7	223200																

A08.2 ITEM	B07.1 COILNO	B07.1 PART	B13 WEIGHT kg	B07.2 HEAT	TENSILE TEST					BENDTEST SHOCK TEST												
					C02 PR %	C03 Temp °C	C11 yield p. strength MPa	C12 Rm MPa	C13 Ag 0mm %	C50 Fa	C44 S0 cm²	C02 PR °C	C03 Temp °C	C42 KV2 1 J	C42 KV2 2 J	C42 KV2 3 J	C43 KV2 m J					
4	451048	50000	30400	052230	0	20	380	468	33.5	1	.8	0	-20	208	206	174	196					
	451049	50000	30400	052230	0	20	380	468	33.5	1	.8	0	-20	208	206	174	196					
	451050	50000	34200	052230	0	20	380	468	33.5	1	.8	0	-20	208	206	174	196					
	451051	50000	34020	052231	0	20	406	489	34	1	.8	0	-20	214	224	190	209					
	451052	50000	34020	052231	0	20	404	488	34	1	.8	0	-20	210	208	204	207					
	451053	50000	30380	052230	0	20	401	486	34	1	.8	0	-20	212	216	196	208					
	451054	50000	29780	052230	0	20	401	486	34	1	.8	0	-20	212	216	196	208					
					7	223200																

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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0000731083
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EN 10149-2 (00-09-2013)

JITZ 1.74

A08.2	B09	B10
ITEM THICKNES	WIDTH	
mm	mm	
4	6.00	1500.00

A08.2	B07.1	B07.1	B13	B07.2	C02	C03	C11	C12	C13	C50	C44	C02	C03	C42	C42	C42	C43
ITEM	COILNO	PART	WEIGHT	HEAT	PR	Temp	yield p. strength	Rm	A60mm	Fa	S0	PR	Temp	KV2	KV2	KV2	KV2
			kg			°C	Re	MPa	%	°C	cm ²	°	°C	J	J	J	J
							MPa	MPa					°C	J	J	J	J
TOTAL	7		223200														

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

BREMEN 04.07.2018



QUALITY DEPARTMENT
 SITE EXPERT FOR INSPECTION
 Kramer

Andreas 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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