



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
20180060796-00
Inspection certificate 3.1 EN 10204
A05 ORIGINATOR OF THE DOCUMENT
ArcelorMittal Bremen GmbH
Abnahme/Zeugnisschreibung
zeugnisse.bremen@arcelormittal.com
Telefon 0421/6482813

A09 DISPATCH NOTE
DATE 0000748850
SHIP 14.08.2018
MALENA
A08.1 MANUFACTURER'S ORDER NR **1822711**
DATE 04.05.2018
AGENCY'S ORDER NR. FH83ALU001004

A07 CUSTOMER'S ORDER NUMBER
17437

A06.1 CUSTOMER
Oy AluSteel Ab
Telakkatie 4
23500 Uusikaupunki
Finland
A06.2 CONSIGNEE
Oy AluSteel Ab
Hepokarintie 9
23500 UUSIKAUPUNKI
Finland

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

JITZ 1.74

ArcelorMittal Bremen GmbH, Postfach 210220, 28222 BREMEN

Oy AluSteel Ab

Telakkatie 4

23500 Uusikaupunki

Finland



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A08.2 ITEM	B09 THICKNESS mm	B10 WIDTH mm
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		
					C %	Si %	Mn %	P %	S %	Cu %	Al %	N %	B %	V %	Ti %	Nb %	Cr %	Ni %	Mo %	As %	Sn %		
4	580020	50000	28720	714146	.0677	.0071	.5488	.0111	.0072	.0225	.0302	.0044	0.0000	0.0001	0.0003	.0221	.0247	.0136	.0014	.0014	.0037		
	580021	50000	29120	714147	.0674	.0084	.5616	.0110	.0070	.0253	.0316	.0048	0.0000	0.0000	0.0004	.0212	.0274	.0148	.0017	.0015	.0051		
	583088	50000	29500	714150	.0661	.0058	.5215	.0082	.0028	.0141	.0327	.0043	0.0000	0.0000	0.0003	.0239	.0223	.0126	.0010	.0013	.0016		
	583089	50000	29580	714150	.0661	.0058	.5215	.0082	.0028	.0141	.0327	.0043	0.0000	0.0000	0.0003	.0239	.0223	.0126	.0010	.0013	.0016		
	613084	50000	28980	714238	.0654	.0092	.5380	.0116	.0075	.0137	.0413	.0032	0.0000	0.0003	0.0007	.0259	.0230	.0133	.0013	.0016	.0048		
	613086	50000	29460	714238	.0654	.0092	.5380	.0116	.0075	.0137	.0413	.0032	0.0000	0.0003	0.0007	.0259	.0230	.0133	.0013	.0016	.0048		
	613087	50000	29640	714239	.0658	.0103	.5273	.0106	.0073	.0133	.0423	.0038	0.0000	0.0003	0.0006	.0261	.0310	.0137	.0013	.0016	.0048		
	613088	50000	29460	714239	.0658	.0103	.5273	.0106	.0073	.0133	.0423	.0038	0.0000	0.0003	0.0006	.0261	.0310	.0137	.0013	.0016	.0048		
		8	234460																				
TOTAL		8	234460																				

A08.2 ITEM	B07.1 COILNO	B07.1 PART	B13 WEIGHT kg	B07.2 HEAT	TENSILE TEST					BENDTEST	SHOCK TEST						
					C02	C03	C11	C12	C13	C50	C44	C02	C03	C42	C42	C42	C43
					PR	Temp °C	yield p. Re MPa	strength Rm MPa	A60mm %	Fa	S0 cm²	PR	Temp °C	KV2_1 J	KV2_2 J	KV2_3 J	KV2_m J
4	580020	50000	28720	714146	0	20	401	484	34	1	.8	0	-20	188	200	182	190
	580021	50000	29120	714147	0	20	399	483	34	1	.8	0	-20	192	194	190	192
	583088	50000	29500	714150	0	20	398	481	34	1	.8	0	-20	226	242	238	235
	583089	50000	29580	714150	0	20	398	482	34	1	.8	0	-20	214	222	208	214
	613084	50000	28980	714238	0	20	409	488	34	1	.8	0	-20	204	224	224	217
	613086	50000	29460	714238	0	20	407	487	34	1	.8	0	-20	218	204	218	213
	613087	50000	29640	714239	0	20	409	488	34	1	.8	0	-20	200	216	208	208
	613088	50000	29460	714239	0	20	410	489	34	1	.8	0	-20	216	212	200	209

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 °	C03 Temp °C	C11 yield p. Re MPa	C12 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
4	8		234460														
TOTAL	8		234460														

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

BREMEN 15.08.2018



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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