

AO1  ArcelorMittal ArcelorMittal Belgium NV ArcelorMittal Gent John Kennedylaan, 51 9042 Gent (België) Tel.: +32 9.347.31.11 Fax: +32 9.347.49.07	AO2 CERTIFICATE ----- INSPECTION CERTIFICATE ACCORDING EN10204-3.1 OR EQUIVALENT.	AO3 231369863 P. 01/04	AO9 DISPATCH NOTE 4587165 DATE 12-09-2023	AO6.1 CUSTOMER NAANTALI STEEL SERVICE CENTRE OY RAUTAKATU 5 FIN-21110 NAANTALI FINLAND 0837718 AO6.2 DESTINATION NAANTALI STEEL SERVICE CENTRE OY RAUTAKATU 5 FIN-21110 NAANTALI FINLAND 0083771	
	AO5 AUTHOR OF THE DOCUMENT AM GENT/ QUALITY DEPARTMENT	AO8 ORDER NUMBER 79079 DATE	AO7 YOUR ORDER NO 4500095409 DATE 18-07-2023		CONTRACT NO GH34NAA001
		YOUR REFERENCES			
		OUR REFERENCES OBC-AU/DHAH			

BO1-BO4 MATERIAL - HOT ROLLED STEEL COILS ,PICKLED, QUALITY AMSTRONG355MC STAND: EN 10051 (2010)				STANDARD = AM FCE															
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BO9 ITEM	BO10 WIDTH MM	BO11 THICKNESS MM	REF. CUSTOMER
02	1.500	5,00	11019044
04	1.500	3,00	11019037
06	1.500	6,00	11019045
08	1.500	4,00	11019043

CHEMICAL ANALYSIS C70 STEELMAKING PROCESS: LD																					
BO9 ITEM	PACK NR	BO13 GROSS WEIGHT KG	BO7 COIL NO	BO8 CAST N.	C71 C	C72 Mn	C73 Si	C74 P	C75 S	C76 N	C77 Al _{tot}	C78 Ti	C79 Cr	C80 Ni	C81 Cu	C82 Nb	C83 B	C84 V	C85 Mo	CEQ2	
					10 ⁻³ %	10 ⁻² %	10 ⁻³ %	10 ⁻³ %	10 ⁻³ %	10 ⁻⁴ %	10 ⁻³ %	10 ⁻³ %	10 ⁻³ %	10 ⁻³ %	10 ⁻³ %	10 ⁻³ %	10 ⁻⁴ %	10 ⁻³ %	10 ⁻³ %	10 ⁻³ %	
02	867777656	13300	63166808	61338	65	52	20	17	4	26	41	1	20	10	20	27	0	2	0	158	
	867777661	13360	63166815	61338	65	52	20	17	4	26	41	1	20	10	20	27	0	2	0	158	
	867786461	10790	63289675	61328	68	52	20	16	5	28	45	1	20	0	20	26	0	2	0	160	
	867786467	10800	63396290	61328	68	52	20	16	5	28	45	1	20	0	20	26	0	2	0	160	
	867786580	13150	63291281	61350	76	55	20	16	4	27	35	1	20	10	30	26	0	2	0	175	
	867786584	13190	63291298	61350	76	55	20	16	4	27	35	1	20	10	30	26	0	2	0	175	
	867786588	13170	63291304	61341	71	53	20	16	5	21	26	1	20	10	20	25	0	2	0	166	
	867786589	13250	63291311	61341	71	53	20	16	5	21	26	1	20	10	20	25	0	2	0	166	
	867786593	13270	63291328	61343	75	50	20	14	5	21	34	1	20	10	20	27	0	2	0	165	
	867786595	13270	63291335	61343	75	50	20	14	5	21	34	1	20	10	20	27	0	2	0	165	
10		127550																			
04	867764971	12430	62934330	61254	67	34	20	14	5	29	35	1	20	10	30	24	0	1	0	131	
	867781946	13420	63233322	61256	67	33	20	19	7	39	28	1	20	10	30	25	0	2	0	129	
	867781952	13310	63233339	61256	67	33	20	19	7	39	28	1	20	10	30	25	0	2	0	129	
	867781955	13310	63233353	61277	72	37	20	17	5	32	38	1	20	10	20	24	0	2	0	140	
	867781957	13390	63233360	61258	72	34	20	15	7	27	34	1	20	10	30	25	0	2	0	136	
	867781961	13340	63233377	61258	72	34	20	15	7	27	34	1	20	10	30	25	0	2	0	136	
	867781965	13370	63233384	61254	67	34	20	14	5	29	35	1	20	10	30	24	0	1	0	131	
	867781969	13370	63233346	61277	72	37	20	17	5	32	38	1	20	10	20	24	0	2	0	140	
	867781972	13290	63233391	61254	67	34	20	14	5	29	35	1	20	10	30	24	0	1	0	131	
	867781980	13330	63233407	61277	72	37	20	17	5	32	38	1	20	10	20	24	0	2	0	140	
	867781985	13210	63233414	61277	72	37	20	17	5	32	38	1	20	10	20	24	0	2	0	140	
	867792562	13290	63343292	61275	73	37	20	17	6	32	30	1	20	10	30	26	0	2	0	142	
	867792571	13290	63343308	61275	73	37	20	17	6	32	30	1	20	10	30	26	0	2	0	142	

CO4 CONDITION OF THE SPECIMEN V:AGED F:NON-AGED N:NORMALISED	CO2 DIRECTION SPECIMEN L:OGR S:45GR D:9OGR
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	CERTIFICATE ----- INSPECTION CERTIFICATE ACCORDING EN10204-3.1 OR EQUIVALENT.	231369863 P. 02/04	DATE	12-09-2023	NAANTALI STEEL SERVICE CENTRE OY RAUTAKATU 5 FIN-21110 NAANTALI FINLAND0837718		
		AO8	ORDER NUMBER	79079	DATE	AO6.2 DESTINATION	
		AO7	YOUR ORDER NO	4500095409	DATE	NAANTALI STEEL SERVICE CENTRE OY RAUTAKATU 5 FIN-21110 NAANTALI FINLAND0083771	
		CONTRACT NO		GH34NAA001			
		YOUR REFERENCES					
	OUR REFERENCES		OBC-AU/DHAF				
AO5		AUTHOR OF THE DOCUMENT AM GENT/ QUALITY DEPARTMENT					

BO1-BO4 MATERIAL - HOT ROLLED STEEL COILS ,PICKLED, QUALITY AMSTRONG355MC STAND: EN 10051 (2010)	STANDARD = AM FCE
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CO4 CONDITION OF THE SPECIMEN V:AGED F:NON-AGED N:NORMALISED	CO2 DIRECTION SPECIMEN L:OGR S:45GR D:90GR
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		CERTIFICATE	231369863 P. 03/04	DATE	12-09-2023	NAANTALI STEEL SERVICE CENTRE OY RAUTAKATU 5 FIN-21110 NAANTALI FINLAND 0837718
	INSPECTION CERTIFICATE ACCORDING EN10204-3.1 OR EQUIVALENT.		AO8	ORDER NUMBER	79079	AO6.2 DESTINATION
			DATE			
			AO7	YOUR ORDER NO	4500095409	NAANTALI STEEL SERVICE CENTRE OY RAUTAKATU 5 FIN-21110 NAANTALI FINLAND 0083771
			DATE	18-07-2023		
		CONTRACT NO	GH34NAA001			
	YOUR REFERENCES					
	OUR REFERENCES	OBC-AU/DHAH				
AO5 AUTHOR OF THE DOCUMENT AM GENT/ QUALITY DEPARTMENT						
BO1-BO4 MATERIAL - HOT ROLLED STEEL COILS ,PICKLED, QUALITY AMSTRONG355MC STAND: EN 10051 (2010)						
STANDARD = AM FCE						

		MECHANICAL PROPERTIES												
		TENSILE TEST					C40 IMPACT (CHARPY V)							
BO9 ITEM	PACK NR	CO4	CO2	C11 YIELD Rp0.2 MPa	C12 STRENGTH Rm MPa	C13 A %	CO2	C44 TKC C	C41 THICKNESS DiK mm	C42 KCV1 J	C42 KCV2 J	C42 KCV3 J	C43 KCV J	
O2	867777656	F	L	392	478	35								
	867777661	F	L	392	478	35								
	867786461	F	L	387	475	36								
	867786467	F	L	387	475	36								
	867786580	F	L	403	491	33								
	867786584	F	L	403	491	33								
	867786588	F	L	371	473	35								
	867786589	F	L	371	473	35								
	867786593	F	L	385	475	34								
	867786595	F	L	385	475	34								
10														
O4	867764971	F	L	365	470	36								
	867781946	F	L	358	465	37								
	867781952	F	L	358	465	37								
	867781955	F	L	375	479	36								
	867781957	F	L	365	470	39								
	867781961	F	L	365	470	39								
	867781965	F	L	372	476	38								
	867781969	F	L	375	479	36								
	867781972	F	L	372	476	38								
	867781980	F	L	400	476	39								
	867781985	F	L	400	476	39								
	867792562	F	L	388	477	37								
	867792571	F	L	388	477	37								
13														
O6	867769438	F	L	376	471	32	L	-20	6,00	141	135	148	141	
	867782109	F	L	383	474	33	L	-20	6,00	131	135	128	131	
	867782111	F	L	383	474	33	L	-20	6,00	131	133	137	134	
CO4 CONDITION OF THE SPECIMEN					CO2 DIRECTION SPECIMEN									
V: AGED F: NON-AGED N: NORMALISED					L: OGR S: 45GR D: 90GR									

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	AO5 AUTHOR OF THE DOCUMENT AM GENT/ QUALITY DEPARTMENT	AO8 ORDER NUMBER 79079 DATE	AO7 YOUR ORDER NO 4500095409 DATE 18-07-2023		CONTRACT NO GH34NAA001
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BO1-BO4 MATERIAL - HOT ROLLED STEEL COILS ,PICKLED, STANDARD = AM FCE QUALITY AMSTRONG355MC STAND: EN 10051 (2010)					

		MECHANICAL PROPERTIES												
		TENSILE TEST						C40 IMPACT (CHARPY V)						
BO9 ITEM	PACK NR	CO4	CO2	C11 YIELD Rp0.2 MPa	C12 STRENGTH Rm MPa	C13 A %	CO2	C44 TKC C	C41 THICKNESS DiK mm	C42 KCV1 J	C42 KCV2 J	C42 KCV3 J	C43 KCV J	
06	867783037	F	L	377	472	36	L	-20	6,00	138	152	129	140	
	867783051	F	L	377	472	36	L	-20	6,00	138	139	143	140	
	867783256	F	L	375	473	35	L	-20	6,00	141	126	142	136	
	867783259	F	L	375	473	35	L	-20	6,00	141	151	153	148	
	867783267	F	L	394	484	34	L	-20	6,00	135	130	137	134	
	867783269	F	L	394	484	34	L	-20	6,00	135	136	142	138	
9														
08	867765501	F	L	378	485	34								
	867767778	F	L	405	488	36								
	867790270	F	L	372	482	35								
	867790280	F	L	376	485	35								
	867790286	F	L	372	482	35								
	867790292	F	L	376	485	35								
	867791145	F	L	389	486	37								
	867791158	F	L	389	486	37								
8														

REMARKS

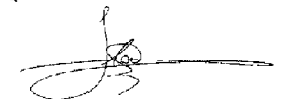
TENSILE TEST SPECIMEN LC/LO/BO 120/ 5.65 SQR(SO)/ 20 MM.

REFERENCES

ORDER ITEM 02 - 11019044 ORDER ITEM 04 - 11019037 ORDER ITEM 06 - 11019045 ORDER ITEM 08 - 11019043 GENT 12-09-2023

CO4 CONDITION OF THE SPECIMEN	CO2 DIRECTION SPECIMEN
V: AGED F: NON-AGED N: NORMALISED	L: OGR S: 45GR D: 9OGR

R. SLOCK
QUALITY DEPARTMENT



Z01