



ArcelorMittal

ArcelorMittal Belgium NV
ArcelorMittal Gent

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A02
CERTIFICATE

INSPECTION CERTIFICATE ACCORDING EN10204-3.1
OR EQUIVALENT.

A03
231369863 P. 01/04

A09
DISPATCH NOTE
DATE
12-09-2023

A06.1 CUSTOMER
NAANTALI STEEL SERVICE CENTRE OY
RAUTAKATU 5
FIN-21110 NAANTALI
FINLAND
0837718

A08
ORDER NUMBER
79079

A06.2 DESTINATION
NAANTALI STEEL SERVICE CENTRE OY
RAUTAKATU 5
FIN-21110 NAANTALI
FINLAND
0083771

A07
YOUR ORDER NO
4500095409
DATE
18-07-2023

CONTRACT NO
GH34NAAO01

YOUR REFERENCES

OUR REFERENCES
OBC-AU/DHAH

STANDARD = AM FCE

B01-B04 MATERIAL - HOT ROLLED STEEL COILS, PICKLED,
QUALITY AMSTRONG355MC
STAND: EN 10051 (2010)

B09 ITEM B10 WIDTH B11 THICKNESS REF. CUSTOMER

	MM	MM	
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

B09 ITEM	PACK NR	B13 GROSS WEIGHT KG	B07 COIL NO	B08 CAST N.	C71 C	C72 Mn	C73 Si	C74 P	C75 S	C76 N	C77 Al t	C78 Ti	C79 Cr	C80 Ni	C81 Cu	C82 Nb	C83 B	C84 V	C85 Mo	CEQ2 10 ⁻³ %
02	867777656	13300	63166808	61338	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 %
	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	33	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	30	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	30	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	30	24	0	2	0	140
	867781985	13210	63233414	61277	72	37	20	17	5	32	38	1	20	10	30	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

C04 CONDITION OF THE SPECIMEN
V:AGED F:NON-AGED N:NORMALISED
C02 DIRECTION SPECIMEN
L:OGR S:45GR D:90GR

A01	A02		A03	A09	DISPATCH NOTE	4587165	A06.1 CUSTOMER
ArcelorMittal		CERTIFICATE	231369863 P. 02/04	DATE	12-09-2023	NAANTALI STEEL SERVICE CENTRE OY RAUTAKATU 5 FIN-21110 NAANTALI FINLAND	
ArcelorMittal Belgium NV		INSPECTION CERTIFICATE ACCORDING EN10204-3.1 OR EQUIVALENT.	A08	ORDER NUMBER	79079	0837718	
John Kennedylaan, 51 9042 Gent (Belgie)			DATE	A06.2 DESTINATION			
Tel.: +32 9.347.31.11 Fax: +32 9.347.49.07			A07	YOUR ORDER NO	4500095409	NAANTALI STEEL SERVICE CENTRE OY RAUTAKATU 5 FIN-21110 NAANTALI FINLAND	
			DATE	18-07-2023			
			CONTRACT NO	GH34NAA001			
			YOUR REFERENCES				
		A05	OUR REFERENCES	OBC-AU/DHAH			
		AM GENT/ QUALITY DEPARTMENT					

B01-B04 MATERIAL - HOT ROLLED STEEL COILS , PICKLED , STANDARD = AM FCE
QUALITY AMSTRONG355MC
STAND: EN 10051 (2010)

CHEMICAL ANALYSIS																
C70 STEELMAKING PROCESS: LD																
B09	ITEM	PACK NR	B13	GROSS WEIGHT	B07	COIL NO	B08	CAST N.	C	Mn	Si	P	S	N	Al	CEQ2
				KG					10-3%	10-2%	10-3%	10-3%	10-3%	10-2%	10-3%	10-3%
04																
13																
172350																
06	867769438		13460	62966096	3034420	66	51	6	13	4	20	41	0	22	7	9
	867782109		12410	63234248	61358	64	50	20	17	6	36	40	2	20	10	30
	867782111		12550	63234255	61358	64	50	20	17	6	36	40	2	20	10	30
	867783037		13340	63235041	61341	71	53	20	16	5	21	26	1	20	10	20
	867783051		13310	63235058	61341	71	53	20	16	5	21	26	1	20	10	20
	867783256		13370	63235362	61337	68	51	20	14	4	17	35	1	20	10	20
	867783259		13340	63235379	61337	68	51	20	14	4	17	35	1	20	10	20
	867783267		13140	63235386	61352	70	52	20	17	4	38	39	2	20	10	30
	867783269		13190	63235393	61352	70	52	20	17	4	38	39	2	20	10	30
			118110													
9																
08	867765501		13470	62934811	3033913	66	50	13	15	5	41	38	0	16	6	7
	867767778		13530	62965439	1614389	76	54	8	15	8	29	42	0	17	6	8
	867790270		13310	63295308	61355	69	52	20	18	5	30	31	2	20	10	20
	867790280		13330	63295322	61349	74	52	20	12	5	32	40	1	20	10	30
	867790286		13240	63295315	61355	69	52	20	18	5	30	31	2	20	10	20
	867790292		13310	63295339	61349	74	52	20	12	5	32	40	1	20	10	30
	867791145		13360	63296545	61342	65	52	20	14	5	19	31	1	20	10	20
	867791158		13300	63296552	61342	65	52	20	14	5	19	31	1	20	10	20
			106850													
			40													
524860																

C04 CONDITION OF THE SPECIMEN C02 DIRECTION SPECIMEN
V:AGED F:NON-AGED N:NORMALISED L:OGR S:45GR D:90GR

ArcelorMittal

A01 ArcelorMittal Belgium NV

ArcelorMittal Gent

John Kennedylaan, 51
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A02 CERTIFICATE
INSPECTION CERTIFICATE ACCORDING EN10204-3.1
OR EQUIVALENT.

A03 231369863 P. 03/04

A09 DISPATCH NOTE 4587165
DATE 12-09-2023

A08 ORDER NUMBER 79079

DATE

A07 YOUR ORDER NO 4500095409

DATE 18-07-2023

CONTRACT NO GH34NAAO01

YOUR REFERENCES

OUR REFERENCES OBC-AU/DHAH

A06.1 CUSTOMER
NAANTALI STEEL SERVICE CENTRE OY
RAUTAKATU 5
FIN-21110 NAANTALI
FINLAND 0837718

A06.2 DESTINATION
NAANTALI STEEL SERVICE CENTRE OY
RAUTAKATU 5
FIN-21110 NAANTALI
FINLAND 0083771

B01-B04 MATERIAL - HOT ROLLED STEEL COILS , PICKLED,
QUALITY AMSTRONG355MC
STAND: EN 10051 (2010)

STANDARD = AM FCE

MECHANICAL PROPERTIES

TENSILE TEST

C40 IMPACT (CHARPY V)

ITEM	PACK NR	C04 CO2	C11 YIELD RPO.2 MPa	C12 STRENGTH Rm MPa	C13 A %	C02 CO2	C44 TKC C	C41 THICKNESS D1KC mm	C42 KCV1 J	C42 KCV2 J	C42 KCV3 J	C43 KCV J
02	867777656	F	392	478	35							
	867777661	F	392	478	35							
	867786461	F	387	475	36							
	867786467	F	387	475	36							
	867786580	F	403	491	33							
	867786584	F	403	491	33							
	867786588	F	371	473	35							
	867786589	F	371	473	35							
	867786593	F	385	475	34							
	867786595	F	385	475	34							
10												
04	867764971	F	365	470	36							
	867781946	F	358	465	37							
	867781952	F	358	465	37							
	867781955	F	375	479	36							
	867781957	F	365	470	39							
	867781961	F	365	470	39							
	867781965	F	372	476	38							
	867781969	F	375	479	36							
	867781972	F	372	476	38							
	867781980	F	400	476	39							
13	867781985	F	400	476	39							
	867792562	F	388	477	37							
	867792571	F	388	477	37							
06	867769438	F	376	471	32	L	-20	6,00	141	135	148	141
	867782109	F	383	474	33	L	-20	6,00	131	135	128	131
	867782111	F	383	474	33	L	-20	6,00	131	133	137	134

CO4 CONDITION OF THE SPECIMEN
V:AGED F:NON-AGED N:NORMALISED
CO2 DIRECTION SPECIMEN
L:OGR S:45GR D:90GR

A01		A02		A03		A09		A06.1 CUSTOMER			
 ArcelorMittal ArcelorMittal Belgium NV John Kennedylaan, 51 9042 Gent (Belgie) Tel.: +32 9.347.31.11 Fax: +32 9.347.49.07		CERTIFICATE INSPECTION CERTIFICATE ACCORDING EN10204-3.1 OR EQUIVALENT.		231369863 P. 04/04		DISPATCH NOTE		NAANTALI STEEL SERVICE CENTRE OY RAUTAKATU 5 FIN-21110 NAANTALI FINLAND 0837718			
		A05		A07		A08		A06.2 DESTINATION			
		AUTHOR OF THE DOCUMENT AM GENT/ QUALITY DEPARTMENT		YOUR ORDER NO 4500095409		ORDER NUMBER 79079		NAANTALI STEEL SERVICE CENTRE OY RAUTAKATU 5 FIN-21110 NAANTALI FINLAND 0083771			
				DATE		DATE					
				CONTRACT NO		CONTRACT NO					
				YOUR REFERENCES		OUR REFERENCES					
				OBC-AU/DHAH							
BOT-B04 MATERIAL - HOT ROLLED STEEL COILS , PICKLED, QUALITY AMSTRONG355MC STAND: EN 10051 (2010)											
STANDARD = AM FCE											
MECHANICAL PROPERTIES											
TENSILE TEST											
B09	ITEM	CO4	CO2	C11	C12	C13	CO2	C40	C41	C42	C43
	PACK NR			YIELD	STRENGTH	A	TKC	THICKNESS	KCV1	KCV2	KCV3
				RPO.2	Rm	%	C	mm	mm	J	J
06	867783037	F	L	377	472	36	-20	6.00	138	152	129
	867783051	F	L	377	472	36	-20	6.00	138	139	143
	867783256	F	L	375	473	35	-20	6.00	141	126	142
	867783259	F	L	375	473	35	-20	6.00	141	151	153
	867783267	F	L	394	484	34	-20	6.00	135	130	137
	867783269	F	L	394	484	34	-20	6.00	135	136	142
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					
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 V:AGED F:NON-AGED N:NORMALISED L:OGR S:45GR D:90GR CO2 DIRECTION SPECIMEN L:OGR S:45GR D:90GR											
R. SLOCK QUALITY DEPARTMENT											
Z01											