



<b>AO1</b>  <b>ArcelorMittal</b>  <b>ArcelorMittal Belgium NV</b> <b>ArcelorMittal Gent</b>  John Kennedylaan, 51 9042 Gent (België)  Tel.: +32 9.347.31.11 Fax: +32 9.347.49.07	<b>A02</b> CERTIFICATE ----- TEST REPORT ACCORDING EN10204-2.2 OR EQUIVALENT.	<b>A03</b> 171015623 P. 01/03	<b>A09</b> DISPATCH NOTE 1385551 DATE 09-06-2017	<b>A06.1</b> CUSTOMER HTM YHTIOT OY TIILITEHTAANTIE 23 FIN-12310 RYTTYLAE FINLAND 0501838
	<b>A05</b> AUTHOR OF THE DOCUMENT AM GENT/ QUALITY DEPARTMENT	<b>A08</b> ORDER NUMBER 06528 DATE	<b>A07</b> YOUR ORDER NO 10055 DATE 01-03-2017	<b>A06.2</b> DESTINATION HTM YHTIOT OY TIILITEHTAANTIE 23 FIN-12310 RYTTYLAE FINLAND 050183
		CONTRACT NO FC7FHTMOO1	<b>BO6</b> MARKING INKSTAMP	
		YOUR REFERENCES		
		OUR REFERENCES OBC-IN/DLIN		

BO1-BO4 MATERIAL - COLD ROLLED STEEL COILS, ANNEALED, SKINPASSED, STANDARD = EN 10130:2006  
 (OO-12-2006)  
 QUALITY DCO1

BO9 ITEM	B10 WIDTH MM	B11 THICKNESS MM	REF. CUSTOMER
02	1.250	0,40	DCO1
12	1.250	3,00	DCO1
20	1.250	2,50	DCO1
22	1.000	3,00	DCO1
14	1.250	1,00	DCO1
16	1.250	1,50	DCO1
18	1.500	1,50	DCO1
28	1.000	1,20	DCO1
30	1.000	1,50	DCO1
04	1.000	1,00	DCO1

BO9 ITEM	PACK NR	B13 GROSS WEIGHT KG	BO7 COIL NO	BO8 CAST N.	CHEMICAL ANALYSIS C70 STEELMAKING PROCESS: LD															MECHANICAL PROPERTIES TENSILE TEST				
					C71	C72	C73	C74	C75	C76	C77	C78	C79	C80	C81	C82	C83	C84	C85	CO4	CO2	C11	C12	C13
					C	Mn	Si	P	S	N	Al <sub>t</sub>	Ti	Cr	Ni	Cu	Nb	B	V	Mo			YIELD Rp0.2 MPa	STRENGTH Rm MPa	A %
02	863985688	11460	69552605	36075	48	19	8	8	12	51	41	1	38	38	35	0	1	1	5	F	D	205	333	41
	863985726	11510	69552599	36075	48	19	8	8	12	51	41	1	38	38	35	0	1	1	5	F	D	205	333	41
	863985730	8610	69552667	691371	34	22	18	10	8	36	40	2	25	15	8	1	3	1	4	F	D	194	319	41
	863985746	7640	69552681	691371	34	22	18	10	8	36	40	2	25	15	8	1	3	1	4	F	D	194	319	41
	864009127	11060	69996395	13281	52	22	17	19	12	47	53	1	30	27	26	0	1	6	1	F	D	190	329	36
	864009142	10190	69996401	13281	52	22	17	19	12	47	53	1	30	27	26	0	1	6	1	F	D	190	329	36
6	60470																							
12	864072629	11370	2782027	14897	35	18	8	13	14	28	38	1	42	26	45	0	1	1	2	F	D	179	306	42
	864072649	10870	2782034	14897	35	18	8	13	14	28	38	1	42	26	45	0	1	1	2	F	D	179	306	42
	864074916	11280	2811619	14792	45	19	8	13	16	27	35	2	23	14	9	0	1	1	1	F	D	187	314	41
	864074921	10640	2811626	14792	45	19	8	13	16	27	35	2	23	14	9	0	1	1	1	F	D	187	314	41
4	44160																							
20	864031574	11340	1898260	14893	37	19	9	11	10	30	33	1	33	21	28	0	1	1	2	F	D	177	303	42
	864031582	10770	1898277	14893	37	19	9	11	10	30	33	1	33	21	28	0	1	1	2	F	D	177	303	42
2	22110																							
22	864066042	9450	2615718	13189	41	19	9	5	8	52	64	1	14	26	17	0	1	2	2	F	D	181	302	44


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

<b>AO1</b>  <b>ArcelorMittal</b>  <b>ArcelorMittal Belgium NV</b> <b>ArcelorMittal Gent</b>  John Kennedylaan, 51 9042 Gent (België)  Tel.: +32 9.347.31.11 Fax: +32 9.347.49.07	<b>AO2</b> CERTIFICATE ----- TEST REPORT ACCORDING EN10204-2.2 OR EQUIVALENT.	<b>AO3</b> 171015623 P. 02/03	<b>AO9</b> DISPATCH NOTE 1385551 DATE 09-06-2017	<b>AO6.1</b> CUSTOMER HTM YHTIOT OY TIILITEHTAANTIE 23 FIN-12310 RYTTYLAE FINLAND 0501838
	<b>AO5</b> AUTHOR OF THE DOCUMENT AM GENT/ QUALITY DEPARTMENT	<b>AO8</b> ORDER NUMBER 06528 DATE	<b>AO7</b> YOUR ORDER NO 10055 DATE 01-03-2017	<b>AO6.2</b> DESTINATION HTM YHTIOT OY TIILITEHTAANTIE 23 FIN-12310 RYTTYLAE FINLAND 050183
		CONTRACT NO FC7FHTMOO1	<b>BO6</b> MARKING INKSTAMP	
		YOUR REFERENCES		
		OUR REFERENCES OBC-IN/DLIN		

BO1-BO4 MATERIAL - COLD ROLLED STEEL COILS, ANNEALED, SKINPASSED, STANDARD = EN 10130:2006  
 (OO-12-2006)  
 QUALITY DCO1

BO9 ITEM	PACK NR	B13 GROSS WEIGHT KG	BO7 COIL NO	BO8 CAST N.	CHEMICAL ANALYSIS C70 STEELMAKING PROCESS: LD															MECHANICAL PROPERTIES TENSILE TEST						
					C71	C72	C73	C74	C75	C76	C77	C78	C79	C80	C81	C82	C83	C84	C85	CO4	CO2	C11	C12	C13		
					C	Mn	Si	P	S	N	Al <sub>t</sub>	Ti	Cr	Ni	Cu	Nb	B	V	Mo			YIELD Rp0.2 MPa	STRENGTH Rm MPa	A %		
22	864066047 2	9030 18480	2615725	13189	41	19	9	5	8	52	64	1	14	26	17	0	1	2	2	F	D	181	302	44		
14	864032881 864032904 864041428 864056006 864069144 864069151 864070250 864070265 864073748 9	11400 11030 10910 10460 7460 7290 10910 10380 10240 90080	1635852 1635869 2110442 2011583 2357957 2357964 2358576 2358583 2801388	93265 93265 94115 15290 15289 15289 13263 13263 94115	59 59 51 54 24 24 48 48 51	19 19 17 23 17 17 19 19 17	6 6 4 12 2 2 10 10 4	11 11 13 11 6 7 10 10 13	12 12 11 6 7 7 12 12 11	24 24 25 51 45 45 36 36 25	42 42 48 32 43 43 35 35 48	1 1 1 1 1 1 1 1 1	32 32 29 20 21 21 33 33 29	18 18 20 12 12 12 34 34 20	34 34 28 10 9 9 40 40 28	0 0 0 0 0 0 0 0 0	1 1 1 1 1 1 1 1 1	0 0 1 1 0 0 2 2 1	3 3 2 1 1 1 4 4 2	F F F F F F F F F	D D D D D D D D D	176 175 173 177 171 171 179 179 173	316 316 311 303 295 295 315 315 311	41 41 41 40 41 41 39 39 41		
16	864041457 864041458 864055647 864055652 864055653 864055659 864055660 864055669 864072208 864072217 10	9430 9150 11670 11380 11530 11390 10870 10600 12200 12080 110300	2110510 2110527 2011156 2011163 2011170 2011187 2011194 2011200 2418922 2418939	93265 93265 15609 15609 93265 93265 94115 94115 92160 92160	60 60 43 43 60 60 51 51 31 31	19 19 18 18 19 19 18 18 20 20	6 6 6 6 6 6 4 4 14 14	10 10 19 15 10 10 13 11 8 8	12 12 22 22 24 24 24 24 7 7	24 24 40 40 43 43 48 48 24 24	43 43 40 40 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	31 31 39 39 31 31 30 30 14 14	18 18 18 18 18 18 20 20 19 19	33 33 26 26 33 33 28 28 9 9	0 0 0 0 0 0 0 0 0 0	1 1 1 1 1 1 1 1 1 1	0 0 1 1 0 0 1 1 1 1	2 2 3 3 2 2 2 2 1 1	F F F F F F F F F F	D D D D D D D D D D	173 173 179 179 172 172 171 171 185 185	313 313 314 314 312 312 308 308 310 310	41 41 40 40 41 41 42 42 41 41		
18	864014951 864014953 864014959 3	9430 9450 8870 27750	1083716 1083723 1083730	12656 12656 12656	49 49 49	19 19 19	6 6 6	9 9 9	14 14 14	27 27 27	45 45 45	1 1 1	25 25 25	23 23 23	29 29 29	0 0 0	1 1 1	1 1 1	1 1 1	F F F	D D D	178 178 178	308 308 308	42 42 42		

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

<b>A01</b>  <b>ArcelorMittal</b>  <b>ArcelorMittal Belgium NV</b> <b>ArcelorMittal Gent</b>  John Kennedylaan, 51 9042 Gent (België)  Tel.: +32 9.347.31.11 Fax: +32 9.347.49.07	<b>A02</b> CERTIFICATE ----- TEST REPORT ACCORDING EN10204-2.2 OR EQUIVALENT.	<b>A03</b> 171015623 P. 03/03	<b>A09</b> DISPATCH NOTE 1385551 DATE 09-06-2017	<b>A06.1</b> CUSTOMER HTM YHTIOT OY TIILITEHTAANTIE 23 FIN-12310 RYTTYLAE FINLAND 0501838
	<b>A05</b> AUTHOR OF THE DOCUMENT AM GENT/ QUALITY DEPARTMENT	<b>A08</b> ORDER NUMBER 06528 DATE	<b>A07</b> YOUR ORDER NO 10055 DATE 01-03-2017	<b>A06.2</b> DESTINATION HTM YHTIOT OY TIILITEHTAANTIE 23 FIN-12310 RYTTYLAE FINLAND 050183
		CONTRACT NO FC7FHTMOO1	<b>BO6</b> MARKING INKSTAMP	
		YOUR REFERENCES		
		OUR REFERENCES OBC-IN/DLIN		

BO1-BO4 MATERIAL - COLD ROLLED STEEL COILS, ANNEALED, SKINPASSED, STANDARD = EN 10130:2006  
 (00-12-2006)  
 QUALITY DCO1

BO9 ITEM	PACK NR	B13 GROSS WEIGHT KG	BO7 COIL NO	BO8 CAST N.	CHEMICAL ANALYSIS															MECHANICAL PROPERTIES						
					C70 STEELMAKING PROCESS: LD															TENSILE TEST						
					C71	C72	C73	C74	C75	C76	C77	C78	C79	C80	C81	C82	C83	C84	C85	CO4	CO2	C11 YIELD Rp0.2 MPa	C12 STRENGTH Rm MPa	C13 A %		
28	864033796 864033803 2	8580 8390 16970	1958944 1958951	14820 14820	45	19	5	9	13	27	33	1	24	17	12	0	1	1	4	F	D	171	303	41		
30	864033930 864033941 864059248 864059250 4	8160 8150 8290 8070 32670	1701382 1701399 2497048 2497055	14819 14819 14820 14820	40	19	5	10	10	26	26	1	24	17	14	0	1	1	2	F	D	170	299	41		
04	864072374 1	9340 9340	2419138	89310	44	17	4	7	9	56	47	0	21	13	10	0	0	0	1	F	D	194	314	39		
	43	432330																								

REMARKS  
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 TENSILE TEST SPECIMEN LC/LO/BO 120/80/20 MM.  
 REFERENCES  
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 DCO1

GENT 09-06-2017

R. SLOCK  
 QUALITY DEPARTMENT



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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Z01