A01

ArcelorMittal Gipuzkoa, S.L.U.
ArcelorMittal Europe – Long Products
CARRETERA MADRID - IRUN, KM. 419
20212 OLABERRIA (Guipúzcoa)
TELEF. (943) 80.50.00 - FAX (943) 88.04.04

298175

09-0099
AMOL-2/08-CPR-13-1
EN 10025-1:2004

AENOR Empresa Registrada ISO 9001 ER-0036/1992

ArcelorMittal

CERTIFICADO DE CALIDAD - QUALITY CERTIFICATE

OLA P-59993

DISCHARGE ADDRESS	CUSTOMER
ArcelorMittal Gipuzkoa, S.L.U. **Neew Harbour Road** **HAMWORTHY / POOLE** **GRAN BRETAÑA**	**A.J.N. STEELSTOCK LTD** ICKNIELD WAY / KENTFORD NEWMARKET GRAN BRETAÑA

SHIPPED AND CERTIFIED BY	CREDIT NUMBER	PORT OF LOADING
ARCELORMITTAL OLABERRIA CARRETERA MADRID - IRUN, KM. 419 20212 OLABERRIA (Guipúzcoa) TELEF. (943) 80.50.00 - FAX (943) 88.04.04		**PASAJES, SPAIN**
	PORT OF DISCHARGE	VESSEL
	POOLE	**CELTICA HAV (UK954)**

OUR REFERENCE	CONTRACT NUMBER	ORDER NUMBER	DATE
P1704995	**E-64487/1100532537**	**69785**	**06/08/2018**

HOT ROLLED STEEL STRUCTURALS

SIZE	LENGTH	BUNDLES	PIECES BUNDLES	TOTAL PIECES	WEIGHT BUNDLES	TOTAL WEIGHT	HEAT
Pintar Testas: VERDE **Instrucciones de carga: carga con alma horizontal**							
U COLUMNS 203x203x46	**6,1**	**12**	**12**	**144**	**3375**	**40.500**	**182345,182354,182355, 182357,182358,182359, 182394**
U COLUMNS 203x203x46	**8**	**7**	**12**	**84**	**4426**	**30.982**	**182324,182336,182397**
U COLUMNS 203x203x46	**9,5**	**10**	**9**	**90**	**3942**	**39.420**	**182320,182321,182322, 182323,182324,182333, 182336**
U COLUMNS 203x203x46	**11**	**5**	**9**	**45**	**4564**	**22.820**	**182320,182322**
U COLUMNS 203x203x46	**12,2**	**23**	**9**	**207**	**5062**	**116.426**	**182357,182358,182359, 182395,182396**
U COLUMNS 203x203x46	**13**	**11**	**6**	**66**	**3596**	**39.556**	**182344,182359,182394**
U COLUMNS 203x203x46	**14**	**21**	**6**	**126**	**3872**	**81.312**	**182317,182337,182338, 182343**
U COLUMNS 203x203x46	**16,5**	**8**	**6**	**48**	**4564**	**36.512**	**182341,182342,182343**
U COLUMNS 203x203x52	**8**	**3**	**9**	**27**	**3744**	**11.232**	**182308,182309,182310**
U COLUMNS 203x203x52	**11**	**2**	**9**	**18**	**5148**	**10.296**	**182309**
U COLUMNS 203x203x52	**12,2**	**5**	**6**	**30**	**3806**	**19.030**	**182306**
U COLUMNS 203x203x52	**13**	**1**	**6**	**6**	**4056**	**4.056**	**182308**
U COLUMNS 203x203x52	**14**	**3**	**6**	**18**	**4368**	**13.104**	**182309**
U COLUMNS 203x203x60	**6,1**	**6**	**9**	**54**	**3294**	**19.764**	**182375,182376,182378**
U COLUMNS 203x203x60	**8**	**3**	**9**	**27**	**4320**	**12.960**	**182378,182379**
U COLUMNS 203x203x60	**9,5**	**3**	**9**	**27**	**5130**	**15.390**	**182375**
U COLUMNS 203x203x60	**11**	**4**	**6**	**24**	**3960**	**15.840**	**182379,182380**
U COLUMNS 203x203x60	**12,2**	**6**	**6**	**36**	**4392**	**26.352**	**182372,182373,182375**
U COLUMNS 203x203x60	**13**	**4**	**6**	**24**	**4680**	**18.720**	**182376,182377,182378**
U COLUMNS 203x203x60	**16,5**	**3**	**3**	**9**	**2970**	**8.910**	**182398**

Despatch No.: 1007999 S/O No.: 2285.08 Cust Name: Weldrite Structures Ltd
Cust Ref: WSL9946/C1255/L3 Parent: 298175 Weight: Pieces: 2 Size: 12.200
Message: AJN Steelstock Ltd Product: UC203203-46 Child Batch No: 298175

A01

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CERTIFICADO DE CALIDAD - QUALITY CERTIFICATE OLA P-59993

SIZE	LENGTH	BUNDLES	PIECES BUNDLES	TOTAL PIECES	WEIGHT BUNDLES	TOTAL WEIGHT	HEAT
U COLUMNS 203x203x71	6,1	4	9	36	3898	15.592	182389
U COLUMNS 203x203x71	8	2	9	18	5112	10.224	182389,182391,182392
U COLUMNS 203x203x71	9,5	2	6	12	4047	8.094	182392,182393
U COLUMNS 203x203x71	11	2	6	12	4686	9.372	182391
U COLUMNS 203x203x71	12,2	4	6	24	5197	20.788	182390,182391,182393
U COLUMNS 203x203x71	13	4	3	12	2769	11.076	182391,182392
U COLUMNS 203x203x71	14	5	3	15	2982	14.910	182392,182393
U COLUMNS 203x203x71	15,5	5	3	15	3302	16.510	182390,182391
U COLUMNS 203x203x71	16,5	3	3	9	3515	10.545	182389,182390
U COLUMNS 203x203x71	18,3	3	3	9	3898	11.694	182392,182393
U COLUMNS 203x203x86	6,1	5	6	30	3151	15.755	182383
U COLUMNS 203x203x86	8	4	6	24	4133	16.532	182382,182383
U COLUMNS 203x203x86	9,5	2	6	12	4908	9.816	182381,182386
U COLUMNS 203x203x86	11	4	3	12	2841	11.364	182384,182385,182386
U COLUMNS 203x203x86	12,2	5	3	15	3151	15.755	182381
U COLUMNS 203x203x86	13	3	3	9	3358	10.074	182385,182386
U COLUMNS 203x203x86	14	4	3	12	3616	14.464	182383,182384,182385
U COLUMNS 203x203x86	15,5	2	3	6	4004	8.008	182381
U COLUMNS 203x203x86	16,5	2	3	6	4262	8.524	182382,182383
U COLUMNS 203x203x86	18,3	2	3	6	4727	9.454	182385

TOTAL BUNDLES **207** TOTAL WEIGHT **831.733 Kg.**

A02 EN 10204/3.1 A03

S 355 J0+M - EN 10025-2/2004 SUITABLE FOR GALVANIZING (B01/B02/B03)

Tolerancias dimensionales y de forma - Tolerances on shape and dimensions : EN 10.034

C70:E

MATERIAL SIZE	COLADA HEAT	COMPOSICION QUIMICA (%) CHEMICAL COMPOSITION (%)																	
		C	Mn	Si	P	S	N	V	Cr	Cu	Ni	Mo	Nb						Cev
B11	B08	C71	C72	C73	C74	C75	C76	C77	C78										
UC-203x203x46	182317	,09	,98	,18	,021	,017	,010	,022	,190	,370	,170	,040	,019						,34
UC-203x203x46	182320	,06	1,02	,20	,021	,020	,010	,022	,130	,330	,150	,038	,021						,30
UC-203x203x46	182321	,07	1,09	,20	,029	,019	,010	,023	,330	,380	,190	,044	,021						,37
UC-203x203x46	182322	,10	1,05	,21	,034	,019	,010	,024	,360	,390	,200	,041	,020						,40
UC-203x203x46	182323	,08	1,03	,20	,025	,021	,010	,023	,240	,370	,190	,036	,020						,34
UC-203x203x46	182324	,08	1,02	,21	,022	,021	,010	,022	,190	,320	,140	,040	,019						,33
UC-203x203x46	182333	,09	1,03	,22	,021	,020	,010	,021	,140	,330	,150	,041	,025						,33
UC-203x203x46	182336	,06	1,00	,18	,021	,021	,010	,020	,190	,350	,170	,047	,021						,31
UC-203x203x46	182337	,06	,97	,19	,025	,020	,010	,019	,170	,310	,150	,037	,018						,30
UC-203x203x46	182338	,07	,97	,19	,022	,018	,010	,019	,130	,330	,150	,036	,018						,30
UC-203x203x46	182341	,07	,99	,19	,027	,020	,009	,021	,190	,380	,200	,052	,017						,32
UC-203x203x46	182342	,09	,97	,19	,027	,021	,009	,021	,160	,350	,170	,033	,021						,32
UC-203x203x46	182343	,07	,98	,17	,025	,023	,010	,020	,150	,370	,190	,042	,018						,32

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OLA P-59993

C70:E

MATERIAL SIZE	COLADA HEAT	COMPOSICION QUIMICA (%) CHEMICAL COMPOSITION (%)																	
		C	Mn	Si	P	S	N	V	Cr	Cu	Ni	Mo	Nb						Cev
B11	B08	C71	C72	C73	C74	C75	C76	C77	C78										
UC-203x203x46	182344	,08	1,03	,17	,022	,022	,009	,022	,160	,350	,160	,044	,019						,33
UC-203x203x46	182345	,07	,92	,17	,025	,020	,009	,023	,150	,350	,180	,047	,018						,30
UC-203x203x46	182354	,07	,98	,18	,022	,020	,009	,022	,170	,390	,160	,041	,019						,31
UC-203x203x46	182355	,07	1,00	,19	,017	,021	,008	,021	,090	,330	,150	,038	,022						,29
UC-203x203x46	182357	,09	1,01	,18	,024	,019	,009	,020	,200	,310	,150	,030	,020						,34
UC-203x203x46	182358	,09	1,03	,20	,025	,019	,009	,022	,170	,330	,150	,036	,024						,34
UC-203x203x46	182359	,08	1,01	,21	,023	,017	,008	,022	,160	,350	,140	,036	,024						,32
UC-203x203x46	182394	,07	,97	,18	,017	,020	,010	,017	,080	,290	,140	,033	,024						,28
UC-203x203x46	182395	,07	1,03	,20	,017	,018	,009	,018	,090	,320	,160	,033	,026						,30
UC-203x203x46	182396	,09	1,01	,21	,018	,022	,009	,019	,090	,320	,160	,033	,028						,31
UC-203x203x46	182397	,06	,98	,16	,021	,025	,011	,022	,120	,380	,170	,039	,018						,30
UC-203x203x52	182306	,10	1,01	,22	,024	,020	,011	,020	,160	,350	,150	,040	,019						,35
UC-203x203x52	182308	,07	,99	,18	,017	,019	,010	,019	,110	,350	,150	,029	,018						,30
UC-203x203x52	182309	,08	1,01	,20	,029	,019	,009	,022	,150	,380	,160	,037	,016						,33
UC-203x203x52	182310	,10	,99	,21	,032	,020	,010	,022	,240	,370	,170	,043	,016						,37
UC-203x203x60	182372	,09	1,04	,21	,020	,020	,010	,023	,160	,370	,160	,037	,019						,34
UC-203x203x60	182373	,11	,99	,20	,020	,023	,009	,024	,140	,350	,150	,033	,020						,35
UC-203x203x60	182375	,08	,89	,19	,025	,030	,010	,026	,170	,330	,160	,038	,019						,31
UC-203x203x60	182376	,11	1,23	,23	,027	,021	,007	,029	,210	,330	,160	,036	,021						,40
UC-203x203x60	182377	,08	1,05	,21	,032	,024	,009	,023	,210	,380	,150	,039	,019						,34
UC-203x203x60	182378	,07	,97	,17	,030	,022	,009	,019	,220	,380	,170	,042	,015						,33
UC-203x203x60	182379	,07	1,04	,20	,029	,022	,011	,020	,200	,370	,150	,043	,020						,33
UC-203x203x60	182380	,08	1,03	,21	,030	,021	,010	,021	,210	,390	,170	,042	,020						,34
UC-203x203x60	182398	,07	1,01	,16	,022	,022	,011	,023	,120	,340	,170	,031	,020						,31
UC-203x203x71	182389	,07	1,03	,21	,021	,021	,010	,019	,200	,320	,160	,047	,021						,33
UC-203x203x71	182390	,08	1,00	,21	,026	,020	,011	,019	,250	,310	,210	,041	,020						,34
UC-203x203x71	182391	,08	,99	,20	,022	,019	,012	,019	,190	,340	,200	,038	,023						,33
UC-203x203x71	182392	,07	,98	,20	,019	,022	,010	,019	,120	,360	,170	,029	,021						,31
UC-203x203x71	182393	,08	1,01	,20	,019	,020	,009	,018	,110	,290	,140	,030	,027						,31
UC-203x203x86	182381	,07	1,02	,19	,024	,022	,010	,021	,160	,360	,160	,037	,021						,32
UC-203x203x86	182382	,08	1,03	,21	,021	,021	,011	,019	,150	,340	,150	,037	,020						,33
UC-203x203x86	182383	,11	1,18	,19	,024	,025	,010	,020	,190	,340	,140	,039	,021						,39
UC-203x203x86	182384	,09	1,11	,19	,023	,022	,010	,020	,190	,360	,140	,041	,021						,35
UC-203x203x86	182385	,12	,97	,20	,021	,021	,009	,021	,180	,350	,140	,039	,021						,36
UC-203x203x86	182386	,08	,98	,19	,019	,023	,011	,020	,160	,330	,160	,048	,019						,32

MATERIAL SIZE	COLADA HEAT	PROPIEDADES MECANICAS MECHANICAL PROPERTIES				FLEXIÓN POR CHOQUE IMPACT TEST					
		ReH MPa	Rm MPa	A% L0=5,65VSo	Doblado 180°	°C	KV300	V1 j.	V2 j.	V3 j.	Media j.
B11	B08	C11	C12	C13	C50	C03	C40/41	C42			C43
UC-203x203x46	182317	414	517	29,3		0°	7,5	128	129	160	139
UC-203x203x46	182320	397	582	30,4		0°	7,5	35	39	37	37
UC-203x203x46	182321	419	597	29,3		0°	7,5	39	35	35	36
UC-203x203x46	182322	432	526	30,4		0°	7,5	97	119	90	102
UC-203x203x46	182323	450	554	29,7		0°	7,5	82	49	69	67
UC-203x203x46	182324	424	559	28,2		0°	7,5	56	46	63	55
UC-203x203x46	182333	427	520	28,6		0°	7,5	122	144	142	136
UC-203x203x46	182336	419	524	29,9		0°	7,5	119	122	127	123
UC-203x203x46	182337	437	527	29,7		0°	7,5	67	148	31	82

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MATERIAL SIZE	COLADA HEAT	PROPIEDADES MECANICAS MECHANICAL PROPERTIES				FLEXIÓN POR CHOQUE IMPACT TEST					
		ReH MPa	Rm MPa	A% L0=5,65VSo	Doblado 180°	°C	KV300	V1 j.	V2 j.	V3 j.	Media j.
B11	B08	C11	C12	C13	C50	C03	C40/41	C42			C43
UC-203x203x46	182338	442	529	31,6		0°	7,5	119	123	71	104
UC-203x203x46	182341	448	557	29,3		0°	7,5	65	104	51	73
UC-203x203x46	182342	449	545	30,9		0°	7,5	68	116	109	98
UC-203x203x46	182343	438	534	30,4		0°	7,5	105	116	117	113
UC-203x203x46	182344	448	567	29,1		0°	7,5	51	35	50	45
UC-203x203x46	182345	441	550	28,2		0°	7,5	64	76	72	71
UC-203x203x46	182354	434	547	31,1		0°	7,5	38	35	31	35
UC-203x203x46	182355	444	539	31,1		0°	7,5	136	114	124	125
UC-203x203x46	182357	433	545	31,1		0°	7,5	62	66	54	61
UC-203x203x46	182358	449	558	30,6		0°	7,5	126	58	99	94
UC-203x203x46	182359	440	534	31,5		0°	7,5	128	140	132	133
UC-203x203x46	182394	425	515	31,5		0°	7,5	92	135	163	130
UC-203x203x46	182395	439	531	30,		0°	7,5	136	125	74	112
UC-203x203x46	182396	430	530	30,9		0°	7,5	179	169	146	165
UC-203x203x46	182397	421	532	28,1		0°	7,5	61	76	83	73
UC-203x203x52	182306	446	544	30,4		0°	10	126	95	96	106
UC-203x203x52	182308	439	521	31,		0°	10	172	189	175	179
UC-203x203x52	182309	445	538	30,6		0°	10	132	158	127	139
UC-203x203x52	182310	446	558	29,8		0°	10	77	80	65	74
UC-203x203x60	182372	446	549	29,8		0°	10	128	95	134	119
UC-203x203x60	182373	444	553	29,2		0°	10	71	67	67	68
UC-203x203x60	182375	432	530	28,8		0°	10	102	120	113	112
UC-203x203x60	182376	449	545	28,		0°	10	36	34	39	36
UC-203x203x60	182377	445	543	29,7		0°	10	130	152	140	141
UC-203x203x60	182378	433	532	28,2		0°	10	108	65	106	93
UC-203x203x60	182379	448	540	31,8		0°	10	148	138	154	147
UC-203x203x60	182380	433	536	31,1		0°	10	128	110	105	114
UC-203x203x60	182398	422	518	30,6		0°	10	218	169	164	184
UC-203x203x71	182389	434	528	29,6		0°	10	114	157	164	145
UC-203x203x71	182390	425	525	29,4		0°	10	116	164	166	149
UC-203x203x71	182391	432	523	29,5		0°	10	202	192	179	191
UC-203x203x71	182392	414	510	29,3		0°	10	193	168	188	183
UC-203x203x71	182393	404	503	29,9		0°	10	203	239	181	208
UC-203x203x86	182381	425	516	27,9		0°	10	162	168	162	164
UC-203x203x86	182382	429	528	27,5		0°	10	182	175	166	174
UC-203x203x86	182383	439	555	28,		0°	10	69	62	66	66
UC-203x203x86	182384	412	506	27,5		0°	10	68	105	93	89
UC-203x203x86	182385	444	549	27,5		0°	10	119	133	136	129
UC-203x203x86	182386	426	510	28,4		0°	10	203	189	191	194

48 análisis

Responsable del Departamento de Calidad Z01

D01: Certificamos que los aceros arriba indicados han sido satisfactoriamente probados de acuerdo con la especificación.

B06: Marca AMO
Productos laminados en caliente de aceros para estructuras
Diseñado para ser utilizado en estructuras soldadas, atornilladas y remachadas

Jose Maria Galindo