Barrett Constructional Steel Limited
282 Cutler Heights Lane
Dudley Hill
Bradford
West Yorkshire, BD4 9HU
Tel: 01724 290950 Fax: 01724 290966
www.barrettsteel.com

Customer:	**ALPINE GROUP (1974) LIMITED**
Load Number:	
Customer Order Number:	**S3991/87762/IP**
Advice Number:	**G756181**
Material Code:	**UNIVERSAL BEAM 356 X 127 X 33**
Certificate Number:	**0017696**
Cast Number:	**165012**
Invoice Number:	

This is a True Copy of Original Test Certificate: - 0017696 - Page: 1 of 2

Material: UNIVERSAL BEAM 356 X 127 X 33 - Certificate: 0017696 - Cast: 165012

A01 17695 17696

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

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

AENOR ER Empresa Registrada
ER-0036/1992

ArcelorMittal

MILL TEST CERTIFICATE

OLA P-49408

DISCHARGE ADDRESS	CUSTOMER
ArcelorMittal Commercial Sections S Grove Wharf DN15-8UA Gunness (S. Humberside) GRAN BRETAÑA	**BARRETT CENTRAL DISTRIBUTION LTD** BRIGG ROAD SCUNTHORPE 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**
	GUNNESS BARRET	**ICELANDICA HAV**

OUR REFERENCE	CONTRACT NUMBER	ORDER NUMBER	DATE
P1704995	**E-54897/1100435669**	**J002335**	**29/04/2016**

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 BEAMS 356x127x33	12,5	10	12	120	4965	49.650	165006,165007,165009, 165010
U BEAMS 356x127x33	18,3	10	8	80	4846	48.460	165011,165012,165013
U BEAMS 356x127x33	14	2	8	16	4379	8.758	164942,164943
	TOTAL BUNDLES	22			TOTAL WEIGHT	106.868 Kg.	

A03

402 EN 10204/3.1

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

C70E

MATERIAL SIZE B11	COLADA HEAT B01	COMPOSICION QUIMICA (%) CHEMICAL COMPOSITION (%) C	Mn C5	Si C6	P C4	S C3	N C76	V C77	Cr C78	Cu	Ni	Mo	Nb						Cev
UB-356x127x33	165006	,09	,70	,21	,021	,021	,008	,047	,140	,310	,150	,035	,003						,28
UB-356x127x33	165007	,09	,75	,21	,023	,019	,008	,047	,140	,310	,150	,032	,003						,29
UB-356x127x33	165009	,09	,76	,23	,018	,020	,008	,049	,100	,270	,140	,025	,003						,28
UB-356x127x33	165010	,08	,72	,18	,016	,021	,008	,043	,100	,260	,130	,025	,003						,26
UB-356x127x33	165011	,10	,76	,19	,018	,022	,008	,046	,130	,280	,160	,030	,003						,30
UB-356x127x33	165012	,10	,75	,22	,020	,021	,009	,046	,190	,290	,180	,038	,003						,31
UB-356x127x33	165013	,10	,69	,20	,019	,021	,009	,044	,170	,300	,170	,039	,003						,29
UB-356x127x39	164942	,12	,69	,20	,020	,022	,009	,048	,210	,270	,200	,070	,003						,33
UB-356x127x39	164943	,10	,75	,21	,022	,020	,008	,050	,180	,310	,170	,059	,003						,31

MATERIAL SIZE B11	COLADA HEAT B01	PROPIEDADES MECANICAS MECHANICAL PROPERTIES ReH MPa C7	Rm MPa C13	A% L0=5,65VSo C11	Doblado 180° C56	FLEXION POR CHOQUE IMPACT TEST °C C03	KV300 C40/47	V1 j.	V2 j. C42	V3 j.	Media j. C43
UB-356x127x33	165006	389	493	37,5		0°	5	88	78	77	81
UB-356x127x33	165007	408	512	31,2		0°	5	61	55	84	67
UB-356x127x33	165009	420	531	32,4		0°	5	37	34	34	35

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Customer:	**ALPINE GROUP (1974) LIMITED**
Load Number:	
Customer Order Number:	**S3991/87762/IP**
Advice Number:	**G756181**
Material Code:	**UNIVERSAL BEAM 356 X 127 X 33**
Certificate Number:	**0017696**
Cast Number:	**165012**
Invoice Number:	

Material: UNIVERSAL BEAM 356 X 127 X 33 - Certificate: 0017696 - Cast: 165012

A01

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

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

AENOR ER Empresa Registrada ER-0036/1992

ArcelorMittal

MILL TEST CERTIFICATE

OLA P-49408

MATERIAL SIZE	COLADA HEAT	PROPIEDADES MECANICAS MECHANICAL PROPERTIES				FLEXIÓN POR CHOQUE IMPACT TEST					
		ReH MPa	Rm MPa	A% L0=5,65VSo	Doblado 180º	ºC	KV300	V1 J.	V2 J.	V3 J.	Media J.
B11	B01	C1	C2	C13	C50	C03	C40/41	C42			C43
UB-356x127x33	165012	377	487	33,1		0º	5	80	52	69	67
UB-356x127x33	165011	404	515	32,9		0º	5	41	34	40	38
UB-356x127x33	165012	401	507	33,8		0º	5	63	62	79	68
UB-356x127x33	165013	391	502	33,4		0º	5	42	72	73	62
UB-356x127x39	164942	407	515	33,8		0º	7,5	79	111	140	110
UB-356x127x39	164943	409	518	34,6		0º	7,5	104	63	95	87

Responsable del Departamento de Calidad Z01

9 análisis

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

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

Lorenzo Zabala

Barrett Constructional Steel Limited
282 Cutler Heights Lane
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Bradford
West Yorkshire, BD4 9HU
Tel: 01724 290950 Fax: 01724 290966
www.barrettsteel.com

Customer:	**ALPINE GROUP (1974) LIMITED**
Load Number:	
Customer Order Number:	**S3991/87762/IP**
Advice Number:	**G756181**
Material Code:	**UNIVERSAL BEAM 457 X 152 X 60**
Certificate Number:	**0014573**
Cast Number:	**162601**
Invoice Number:	

This is a True Copy of Original Test Certificate: - 0014573 - Page: 1 of 1

Material: UNIVERSAL BEAM 457 X 152 X 60 - Certificate: 0014573 - Cast: 162601

14571 14572 14573

A01

ArcelorMittal Gipuzkoa, S.L.U.
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09-0099
AMOL-2/08-CPR-13-1
EN 10025-1:2004

AENOR ER Empresa Registrada
ER-0036/1992

ArcelorMittal

MILL TEST CERTIFICATE

OLA P-47956

DISCHARGE ADDRESS	CUSTOMER
ArcelorMittal Commercial Sections S Grove Wharf DN15-8UA Gunness (S. Humberside) GRAN BRETAÑA	**BARRETT CENTRAL DISTRIBUTION LTD** BRIGG ROAD SCUNTHORPE GRAN BRETAÑA

SHIPPED AND CERTIFIED BY	CREDIT NUMBER	PORT OF LOADING
ARCELORMITTAL OLABERRIA CARRETERA MADRID - IRUN KM. 419 20212 OLABERRIA (Guipuzcoa) TELEF. (943) 80 50.00 - FAX (943) 88.04.04		**PASAJES, SPAIN**
	PORT OF DISCHARGE	VESSEL
	GUNNESS BARRET	**PANDA**

OUR REFERENCE	CONTRACT NUMBER	ORDER NUMBER	DATE
P1704995	**E-53689/1100421119**	**J002012**	**15/01/2016**

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 BEAMS 457x152x60	**11**	**4**	**6**	**24**	**3947**	**15.788**	**162601**
U BEAMS 457x152x60	**14**	**4**	**5**	**20**	**4186**	**16.744**	**162599,162600**
U BEAMS 457x152x60	**15,5**	**5**	**5**	**25**	**4635**	**23.175**	**162601**
U BEAMS 457x152x60	**17,5**	**6**	**4**	**24**	**4186**	**25.116**	**162600,162601**

TOTAL BUNDLES **19** TOTAL WEIGHT **80.823 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									
UB-457x152x60	162599	,09	,75	,22	,028	,030	,008	,045	,130	,300	,170	,027	,003					,29
UB-457x152x60	162600	,09	,75	,20	,020	,025	,008	,044	,130	,330	,160	,025	,003					,29
UB-457x152x60	162601	,09	,72	,21	,016	,022	,008	,043	,200	,310	,150	,068	,003					,30

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
UB-457x152x60	162599	382	500	28,		0°	10	82	51	110	81
UB-457x152x60	162600	377	488	31,1		0°	10	72	103	41	72
UB-457x152x60	162601	381	500	30,2		0°	10	36	36	34	35

3 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

Lorenzo Zabala

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Customer:	**ALPINE GROUP (1974) LIMITED**
Load Number:	
Customer Order Number:	**S3991/87762/IP**
Advice Number:	**G756181**
Material Code:	**UNIVERSAL BEAM 457 X 152 X 60**
Certificate Number:	**0015492**
Cast Number:	**163204**
Invoice Number:	

Material: UNIVERSAL BEAM 457 X 152 X 60 - Certificate: 0015492 - Cast: 163204

1549C 15491 15492

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

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

AENOR ER Empresa Registrada ER-0036/1992

ArcelorMittal

MILL TEST CERTIFICATE

OLA P-48369

DISCHARGE ADDRESS	CUSTOMER
ArcelorMittal Commercial Sections S Grove Wharf DN15-8UA Gunness (S. Humberside) GRAN BRETAÑA	**BARRETT CENTRAL DISTRIBUTION LTD** BRIGG ROAD SCUNTHORPE 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
	GUNNESS BARRET	**KRUCKAU**

OUR REFERENCE	CONTRACT NUMBER	ORDER NUMBER	DATE
P1704995	**E-54047/1100425029**	**J002069**	**16/02/2016**

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 BEAMS 457x152x52	**16,5**	**10**	**3**	**30**	**2589**	**25.890**	**163210**
U BEAMS 457x152x52	**17,5**	**9**	**3**	**27**	**2746**	**24.714**	**163212,163213,163214**
U BEAMS 457x152x60	**15,5**	**12**	**4**	**48**	**3708**	**44.496**	**163204,163205,163206**
U BEAMS 457x152x60	**17,5**	**8**	**3**	**24**	**3140**	**25.120**	**163206,163207**
U BEAMS 457x152x67	**12,5**	**4**	**5**	**20**	**4200**	**16.800**	**163202**
U BEAMS 457x152x67	**14**	**3**	**4**	**12**	**3763**	**11.289**	**163202**
U BEAMS 457x152x67	**18,3**	**4**	**3**	**12**	**3689**	**14.756**	**163202**

TOTAL BUNDLES **50** TOTAL WEIGHT **163.065 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	B06	C71	C72	C73	C74	C75	C76	C77	C78										
UB-457x152x52	163210	,09	,73	,21	,013	,019	,009	,045	,140	,370	,170	,029	,003						,29
UB-457x152x52	163212	,10	,73	,16	,014	,018	,009	,044	,140	,330	,150	,037	,003						,29
UB-457x152x52	163213	,09	,74	,17	,015	,022	,009	,046	,140	,320	,140	,042	,003						,29
UB-457x152x52	163214	,09	,73	,20	,016	,023	,009	,044	,200	,350	,150	,042	,003						,30
UB-457x152x60	163204	,09	,72	,20	,013	,019	,008	,044	,110	,360	,130	,032	,003						,28
UB-457x152x60	163205	,10	,74	,21	,013	,018	,008	,045	,120	,310	,130	,032	,003						,29
UB-457x152x60	163206	,10	,73	,20	,014	,017	,008	,044	,120	,340	,120	,030	,003						,29
UB-457x152x60	163207	,10	,73	,20	,015	,017	,009	,045	,120	,360	,120	,032	,003						,30
UB-457x152x67	163202	,10	,71	,20	,016	,017	,008	,045	,120	,300	,160	,048	,003						,29

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Customer Order Number:	**S3991/87762/IP**
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Material Code:	**UNIVERSAL BEAM 457 X 152 X 60**
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Material: UNIVERSAL BEAM 457 X 152 X 60 - Certificate: 0015492 - Cast: 163204

1S490 1S491 1S492

A01

ArcelorMittal Gipuzkoa, S.L.U.
ArcelorMittal Europe – Long Products
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CE 09-0099 AMOL-2/08-CPR-13-1 EN 10025-1:2004

AENOR ER Empresa Registrada ER-0036/1992

ArcelorMittal

MILL TEST CERTIFICATE

OLA P-48369

DISCHARGE ADDRESS	CUSTOMER
ArcelorMittal Commercial Sections S Grove Wharf DN15-8UA Gunness (S. Humberside) GRAN BRETAÑA	**BARRETT CENTRAL DISTRIBUTION LTD** BRIGG ROAD SCUNTHORPE 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
	GUNNESS BARRET	**KRUCKAU**

OUR REFERENCE	CONTRACT NUMBER	ORDER NUMBER	DATE
P1704995	**E-54047/1100425029**	**J002069**	**16/02/2016**

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 BEAMS 457x152x52	**16,5**	**10**	**3**	**30**	**2589**	**25.890**	**163210**
U BEAMS 457x152x52	**17,5**	**9**	**3**	**27**	**2746**	**24.714**	**163212,163213,163214**
U BEAMS 457x152x60	**15,5**	**12**	**4**	**48**	**3708**	**44.496**	**163204,163205,163206**
U BEAMS 457x152x60	**17,5**	**8**	**3**	**24**	**3140**	**25.120**	**163206,163207**
U BEAMS 457x152x67	**12,5**	**4**	**5**	**20**	**4200**	**16.800**	**163202**
U BEAMS 457x152x67	**14**	**3**	**4**	**12**	**3763**	**11.289**	**163202**
U BEAMS 457x152x67	**18,3**	**4**	**3**	**12**	**3689**	**14.756**	**163202**

TOTAL BUNDLES **50** TOTAL WEIGHT **163.065 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										
UB-457x152x52	163210	,09	,73	,21	,013	,019	,009	,045	,140	,370	,170	,029	,003						,29
UB-457x152x52	163212	,10	,73	,16	,014	,018	,009	,044	,140	,330	,150	,037	,003						,29
UB-457x152x52	163213	,09	,74	,17	,015	,022	,009	,046	,140	,320	,140	,042	,003						,29
UB-457x152x52	163214	,09	,73	,20	,016	,023	,009	,044	,200	,350	,150	,042	,003						,30
UB-457x152x60	163204	,09	,72	,20	,013	,019	,008	,044	,110	,360	,130	,032	,003						,28
UB-457x152x60	163205	,10	,74	,21	,013	,018	,008	,045	,120	,310	,130	,032	,003						,29
UB-457x152x60	163206	,10	,73	,20	,014	,017	,008	,044	,120	,340	,120	,030	,003						,29
UB-457x152x60	163207	,10	,73	,20	,015	,017	,009	,045	,120	,360	,120	,032	,003						,30
UB-457x152x67	163202	,10	,71	,20	,016	,017	,008	,045	,120	,300	,160	,048	,003						,29

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Customer:	**ALPINE GROUP (1974) LIMITED**
Load Number:	
Customer Order Number:	**S3991/87762/IP**
Advice Number:	**G756181**
Material Code:	**UNIVERSAL BEAM 457 X 152 X 60**
Certificate Number:	**0015492**
Cast Number:	**163204**
Invoice Number:	

Material: UNIVERSAL BEAM 457 X 152 X 60 - Certificate: 0015492 - Cast: 163204

A01

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

AENOR ER Empresa Registrada ER-0036/1992

ArcelorMittal

MILL TEST CERTIFICATE

OLA P-48369

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
UB-457x152x52	163210	395	508	32,2		0°	7,5	111	134	155	133
UB-457x152x52	163212	390	507	35,6		0°	7,5	142	112	150	135
UB-457x152x52	163213	382	497	34,4		0°	7,5	98	128	137	121
UB-457x152x52	163214	384	497	36,3		0°	7,5	122	132	108	121
UB-457x152x60	163204	401	527	34,6		0°	10	100	60	97	86
UB-457x152x60	163205	375	492	30,6		0°	10	102	147	110	120
UB-457x152x60	163206	378	498	35,4		0°	10	120	99	60	93
UB-457x152x60	163207	392	501	31,2		0°	10	165	158	169	164
UB-457x152x67	163202	373	490	34,1		0°	10	137	143	111	130

9 análisis

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

Responsable del Departamento de Calidad Z01

Lorenzo Zabala