Customer: ALPINE GROUP (1974) LIMITED
Load Number:
Customer Order Number: S3991/87762/IP
Advice Number: G756187

Material Code: EQUAL ANGLE 70MM X 70MM X 10MM
Certificate Number: 0127916
Cast Number: 36104
Invoice Number:

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

BARRETT Constructional Steel

This is a True Copy of Original Test Certificate: - 0127916 - Page: 1 of 1

127916

CAPARO MERCHANT BAR p.l.c.

Caparo House, PO Box 15, Scunthorpe, North Lincolnshire, DN16 1XL

CERTIFICATE OF TEST

Date :23/03/16
Page :5 of 5

In accordance with EN10204 3.1

CUSTOMER

BARRETT STEEL SERVICES LIMITED

CUTLER HEIGHTS LANE
DUDLEY HILL
BRADFORD 4
BD4 9HU

INSPECTION

Supplied in the as-rolled condition

CMB No. **534002** ADVICE **58925** CUST No. **B107385**

SPECIFICATION
EN10025-2 S275JR +AR

HOT ROLLED STRUCTURAL STEEL PRODUCT SUITABLE FOR BUILDING CONSTRUCTION OR CIVIL ENGINEERING

*Gauge Length 5.65 $\sqrt{SO}$
Charpy Size : A=10x10x2mmV, B= 10x7.5x2mmV, C= 10x5x2mmV

Item No.	Product Code	Section (mm)	Length (mm)	Cast	Bundle Nos.	Approx. No. of Bars	Yield Stress Re (Mpa)	Tensile Strength Rm (Mpa)	Elong %*	Charpy Impact Results #	Charpy Impact Results Joules KV2	Charpy Impact Results ave	Ladle Analysis % C	Si	Mn	P	S	Cr	Mo	Ni	Al	Co	B	Cu	Nb	N	Sn	Ti	V	CEV
1	EA	70 X 70 X 10.0 ANGLES	06200	36104	77976	23	294	434	36				.150	.180	.670	.018	.016	.015	.001	.017	.001	.005	.0001	.006	.002	.003	.001	.000	.004	.267
				36104	77977	25	294	434	36				.150	.180	.670	.018	.016	.015	.001	.017	.001	.005	.0001	.006	.002	.003	.001	.000	.004	.267

Certified that the whole of the supplies detailed hereon have been inspected, tested and unless otherwise stated above conform in all respects with the contract or order. The quality control arrangements adopted in respect of these supplies have accorded with the conditions of our registration under BS EN ISO 9001:2008 Reg LRQ4003265

CE Marking Certificate Number 0038/CPD/20060002/A

CE 0038

For and on Behalf of Caparo Merchant Bar plc

Andrew Kennedy
Technical Services Manager

Material: EQUAL ANGLE 70MM X 70MM X 10MM - Certificate: 0127916 - Cast: 36104

ALPINE GROUP (1974) LIMITED
Customer:
Load Number: S3991/87762/IP
Customer Order Number: G756187
Advice Number:
Material Code: UNEQUAL ANGLE 125MM X 75MM X 10MM
Certificate Number: 0128565
Cast Number: CM105955
Invoice Number:

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

This is a True Copy of Original Test Certificate: - 0128565 - Page: 1 of 1

CELSA STEEL UK
OFFICES: Build. 58, Castle Works, East Moors Road
CF24 5NN Cardiff (United Kingdom)

CELSA GROUP
CELSA MANUFACTURING UK

CARES QUALITY SYSTEMS ISO 9001 2008
UKAS QUALITY MANAGEMENT 1100

128565

CE
LRQA ID N: 0038
06
Cert No: 0038/CPR/LRQ4002811/1
DOP: CELSAUK001 EN10025
Hot rolled structural steel products

INSPECTION CERTIFICATE
BS-EN 10204-2004, Type 3.1

Standard
BS-EN 10025-2004

Customer:
BARRETT STEEL LTD
Barrett House
CUTLER HEIGHTS LANE, 282
DUDLEY HILL
BD4 9HU BRADFORD
United Kingdom

Destination:
BARRETT STEEL LTD
Barrett House
CUTLER HEIGHTS LANE, 282
DUDLEY HILL
BD4 9HU BRADFORD
United Kingdom

Delivery number: 2550027625
Order number :15665133
Your order :b107523

MATERIAL Hot rolled structural steel products	CAST	C %	MN %	SI %	S %	P %	Cr %	N %	Ni %	Cu %	Mo %	V %	CE %	Reh MPA	Rm MPA	A 5.65 %	T °C	Res1 J	Res2 J	Res3 J	Res Av J
S275JR+AR L125X75X10 L12m	CM105955	0.10	0.54	0.15	0.013	0.020	0.154	0.010	0.19	0.46	0.030	0.000	0.265	323	462	42.6					
S275JR+AR L125X75X10 L12m	CM105955	0.10	0.54	0.15	0.013	0.020	0.154	0.010	0.19	0.46	0.030	0.000	0.265	327	465	41.6					
S275JR+AR L125X75X10 L12m	CM105955	0.10	0.54	0.15	0.013	0.020	0.154	0.010	0.19	0.46	0.030	0.000	0.265	324	468	41.5					
S275JR+AR L125X75X10 L12m	CM105955	0.10	0.54	0.15	0.013	0.020	0.154	0.010	0.19	0.46	0.030	0.000	0.265	320	463	410.0					

The materials has been evaluated and radiation is within national limits
Product suitable for galvanizing: 0.14<=Si<=0.25 & P<=0.035.

Steel making process -
Electric arc

Certified that the material detailed hereon meets the requirements of the specified standard.
Cardiff, 10.05.2016

Stuart Thomas
Quality Manager

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: G756187

Material Code: UNEQUAL ANGLE 150MM X 90MM X 10MM
Certificate Number: 0016550
Cast Number: 631045
Invoice Number:

This is a True Copy of Original Test Certificate: - 0016550 - Page: 1 of 1

16550

ORIGINAL

J002107

DEMİRSAN HADDECİLİK SAN. ve TİC.A.Ş

MILL TEST CERTIFICATE

ACC. TO EN 10204/3.1 (as per DIN 50049 Certificate on material tests-3.1) & EN 10168

DOCUMENT FR-50
ENF. DATE : 09.05.2006
Rev. No: 03/ 19/03/2011
ISSUE DATE 08/03/2016
PAGE : 1/1

Head Office:
Customer: Rihtim Caddesi Nemlizade Sokak Baysal Apartmani No.2 Kat.4 Kadikoy, Istanbul, Turkey
Order No & Purchase No: TO WHOM IT MAY CONCERN
Descp of Goods: ST 5238 / J002107/01
PRIME HOT ROLLED STEEL [illegible] CONDITION OF DELIVERY AS ROLLED

DIMENSION CONTROL STANDARD EN 10056

S 355 J0 ACC TO EN 10025

TEST RESULTS

Description of Delivery				Mechanical Properties			Product Analysis / Chemical Composition (%)										IMPACT TEST RESULT		
Heat No	Quality	Section Symbol	Length (m)	Tensile Test (N/mm2)	Yield Point (N/mm2)	Elongation Lo=5,65 So½ (%)	C	Mn	Si	S	P	Cu	Al	N	CEQ	Average	1. (J)	2. (J)	3. (J)
631045	S 355 J0	UEA 150X90X10	8.00	592	389	31	0.19	1.36	0.21	0.0089	0.0118	0.0287	0.0002	0.0029	0.43	37.66	35	41	37
136106	S 355 J0	UEA 200X100X10	8.00	532	370	31	0.17	1.38	0.04	0.0038	0.0230	0.1380	0.0215	0.0024	0.42	39.66	37	42	40
373206	S 355 J0	UEA 200X100X10	12.20	550	368	33	0.18	1.30	0.22	0.0025	0.0157	0.1310	0.0227	0.0005	0.41	36.00	34	36	38
372203	S 355 J0	UEA 200X100X10	12.20	545	383	32	0.17	1.25	0.08	0.0047	0.0199	0.1160	0.0228	0.0104	0.40	40.33	41	41	39
374105	S 355 J0	UEA 200X100X12	12.20	529	364	31	0.19	1.34	0.22	0.0219	0.0224	0.0602	0.0034	0.0104	0.43	38.33	39	42	34
592205	S 355 J0	UEA 200X100X15	12.20	533	374	32	0.20	1.31	0.21	0.0041	0.0112	0.0622	0.0228	0.0055	0.43	37.00	40	36	35
375103	S 355 J0	UEA 200X150X15	12.20	551	374	32	0.15	1.38	0.03	0.0045	0.0172	0.0295	0.0277	0.0067	0.40	35.00	34	33	38

NOTES :

CEQ=C+Mn/6+ (Cr+Mo+V)/5+(Ni+Cu)/15
CHEMICAL AND MECHANICAL VALUES ARE SUITABLE FOR CONSTRUCTION BEAMS
CE MARKING FPC CERTIFICATE NUMBER: 2344 - CPD - 0003

CE MARKING
CE
2344

WE HEREBY CERTIFY THAT THE MATERIAL HAS BEEN MADE AND TESTED IN ACCORDANCE WITH THE ABOVE SPECIFICATION AND ALSO WITH THE REQUIREMENTS CALLED FOR BY THE ABOVE ORDER

PRODUCTION PLANNING & QUALITY GUARANTEE CHIEF
Erkan ÖZKAN

SIGN

Material: UNEQUAL ANGLE 150MM X 90MM X 10MM - Certificate: 0016550 - Cast: 631045