

OVER S.r.L.
MONTAGGI INDUSTRIALI
Via Matteotti, 16
24050 GRASSOBBIO (BG)

Date : 31.08.2012
Doc.N°. 62WG1

INSPECTION BOOK N°. 62WG1

WORKSHOP JOB N°. : 2F11

CUSTOMER : BALLESTRA S.p.A. Milano

JOB : 2F11

ORDER N°. : 121287

Item : 62WG1

Description : SOLID RAW MATERIAL WEIGHING HOPP

OVER S.r.L.
F. Libretti

DESMET BALLESTRA S.p.A.
Inspector
Gatti Davide

7/3/12

OVER S.r.L.
MONTAGGI INDUSTRIALI
Via Matteotti, 16
24050 GRASSOBBIO (BG)

Date : 31.08.2012
Doc. No. : 62WG1

WHITE PICKLING REPORT
(For apparatus in Stainless steel with parts in Carbon steel)
QUALITY CONTROL PLAN No. : 62WG1

| | |
|--------------------|------------------------------------|
| Customer | BALLESTRA S.P.A. |
| Customer Order No. | 121287 |
| Job | 2F11 |
| Item | 62WG1 |
| Description | SOLID RAW MATERIAL WEIGHING HOPPER |
| Data sheet | 2F11.35.117 |
| Constructive Dwg. | / |

Il decapaggio esterno è stato eseguito in accordo alla specifica Ballestra No SB-ATI-SP002/4 utilizzando pasta decapante DECABLITZ DR5 per un' ora e risciacquando accuratamente con acqua potabile.

The external white pickling treatment has been performed, according to the Ballestra's specification No. SB-ATI-SP002/4 with paste DECABLITZ DR5 for one hour and thoroughly rinsed with water of drinking quality.

Il ciclo di verniciatura su superfici esterne è stato eseguito in accordo alla specifica Ballestra No. SB-ATI-SP002/4 utilizzando antiruggine COSMALVER TIPO BW0136

The external painting cycle has been performed, according to the Ballestra's specification No. SB-ATI-SP002/4 with antirust COSMALVER TYPE 0136


Le parti interne sono state pulite per mezzo di solvente EMULCLEAR M.

The internal parts have been cleaned by means of solvent EMULCLEAR M.


OVER S.R.L. - GRASSOBBIO (BG)

CUSTOMER INSPECTOR


CUSTOMER INSPECTOR

| | |
|--|--|
|  OVER S.r.L. MONTAGGI INDUSTRIALI Via Matteotti, 16 24050 GRASSOBBIO (BG) Workshop Job n° 2F11 N°. C0 12C63 | CERTIFICATO CONTROLLO DIMENSIONALE DIMENSIONAL TEST REPORT |
| | CUSTOMER : BALLESTRA S.p. A. JOB N°. 2F11 Purchase Order N°. 121287 Doc. N°. Sheet 1 of 1 Rev. 0 |

ITEM : **62WG1**
 Description : **SOLID RAW MATERIAL WEIGHING HOPPER**
 DATA SHEET N°. **2F11.35.117**
 Constructive Dwg. N°. **/**

SI CERTIFICA CHE L' APPARECCHIO E' STATO SOTTOPOSTO A
CONTROLLO DIMENSIONALE IN ACCORDO AI DISEGNI :

BALLESTRA S.p.A. : DATA SHEET f N°. 2F11.35.117
 BALLESTRA S.p.A. : COSTRUTTIVO N°.

ED ALLE SPECIFICHE RICHIAMATE SUGLI STESSI

TUTTE LE MISURAZIONI EFFETTUATE SONO CONFORMI
 ALLE TOLLERANZE INDICATE A DISEGNO
 ED ALLE SPECIFICHE IN ESSI RICHIAMATE.
 E' STATO ESEGUITO CONTROLLO SPESSORI

WE CERTIFY THAT THE ITEM HAS BEEN CONTROLLED
 DIMENSIONALLY ACCORDING TO DRAWINGS :

BALLESTRA S.p.A. : DATA SHEET N°. 2F11.35.117
 BALLESTRA S.p.A. : CONSTRUCTIVE N°.

AND TO THE SPECIFICATIONS NOTED IN
 THE ABOVE MENTIONED DRAWINGS.

ALL THE MEASUREMENTS PERFORMED RESULT WITHIN
 DRAWINGS TOLERANCES
 AND TO THE SPECIFICATIONS NOTED IN
 THE ABOVE MENTIONED DRAWINGS.
 THICKNESS CHECK HAS BEEN PERFORMED

RISULTATO / Result : SODDISFACENTE / Satisfactory

BALLESTRA S.p.A.
 Inspector
 Catia Davide
 7/9/12

| | | | | | | | |
|------|-------------|------------|----------------|------|--------------|------|-------------|
| 1 | F. Libretti | | | | | | |
| 0 | OVER Srl | 31.08.2012 | | | | | |
| Rev. | Issued by | Date | Checked by | Date | Approved by | Date | Description |
| REV. | Emesso da | Data | Controllato da | Data | Approvato da | Data | Descrizione |

| | |
|--|---|
| OVER S.r.L. Via Matteotti,16 Tel. 035 -525256 Fax 035 - 526467 | CERTIFICATO DI CONFORMITA' CERTIFICATE OF COMPLIANCE |
| | CUSTOMER : BALLESTRA S.p.A. JOB N°. 2F11 Purchase Order N°. : 121287 |
| Workshop Job N° 2F11 N°.: CO 12C63 | |

| | | |
|------------------------|------------------------------------|-------------|
| ITEM : | 62WG1 | |
| Description : | SOLID RAW MATERIAL WEIGHING HOPPER | |
| DATA SHEET N°. | | 2F11.35.117 |
| Constructive Dwg. N°. | / | |
| QUALITY CONTROL PLAN : | | |

SI CERTIFICA CHE IL MATERIALE RISULTA CONFORME
 A QUANTO RICHIESTO DAI DISEGNI,
 DALL' ORDINE ED ALLE SPECIFICHE IN ESSI RICHIAMATI.

WE HEREBY CERTIFY THAT THE MATERIAL IS IN COMPLETELY
 ACCORDANCE WITH THE DRAWINGS,
 THE ORDER AND THE SPECIFICATIONS NOTED IN ABOVE
 MENTIONED DOCUMENTS.

DESMET BALLESTRA S.p.A.
 Inspector
 Gatti Davide R
 7/8/12

OFF. OVER S.R.L. GRASSOBBIO (BG)

| | | | | | | | |
|------|-------------|------------|----------------|------|--------------|------|-------------|
| 1 | F. Libretti | | | | | | |
| 0 | OVER | 31.08.2012 | | | | | |
| Rev. | Issued by | Date | Checked by | Date | Approved by | Date | Description |
| REV. | Emesso da | Data | Controllato da | Data | Approvato da | Data | Descrizione |

CERTIFICATO DI COLLAUDO SECONDO EN 10204 - 3.1

FERRAMENTA INDUSTRIALE BONACINA SRL
V.LE EUROPA 2G
24048 CURNASCO DI TREVISO BG IT

Certificato n. 2921
Fattura N. DDT N. 31118
Ns. Ord. N. Del 10.11.2007
Del 07.11.2007

Questo documento certifica che i raccordi sottocitati sono fabbricati in accordo con l'ultima normativa applicabile: ASME/ANSI MSS-SP
I risultati delle analisi chimiche e prove meccaniche sono una copia conforme all'originale dei certificati emessi dal produttore elo fornitore

| COD. COL. | COLATA | POS. | VS. ORDINE | Q. TA' | DESCRIZIONE | DIM. IN ACC. A | VISIVO E DMENS. | | | | | | | | | | | | | | |
|--------------------------------------|---------|------|--------------------|---------|--|---|---|---|--|---|---|-------|-------|------------|-------|-------|--------------------|-------|----------------|-------|--|
| P852 | 200981 | 012 | FAX | 2 | 304/304L TEE 3 SCH. 40S W | VEDI NOTE | SODDISFACENTE | | | | | | | | | | | | | | |
| | 761044 | 013 | FAX | 1 | 304/304L R. C. 6X4 40S S | VEDI NOTE | SODDISFACENTE | | | | | | | | | | | | | | |
| | 72475 | 014 | FAX | 2 | A105N MANICOTTI 1/4 3000 NPT | VEDI NOTE | SODDISFACENTE | | | | | | | | | | | | | | |
| | 72476 | 015 | FAX | 30 | A105N 1/2 MANIC. 3/4 3000 NPT | VEDI NOTE | SODDISFACENTE | | | | | | | | | | | | | | |
| | 74307 | 016 | FAX | 20 | A105N 1/2 MANIC. 1/4 3000 NPT | VEDI NOTE | SODDISFACENTE | | | | | | | | | | | | | | |
| | 73847 | 017 | FAX | 20 | A105N 1/2 MANIC. 1/2 3000NPT | VEDI NOTE | SODDISFACENTE | | | | | | | | | | | | | | |
| | 3P852CH | 018 | FAX | 2 | WPB CAPS 12 SCH.XS | VEDI NOTE | SODDISFACENTE | | | | | | | | | | | | | | |
| | Z536 | 019 | FAX | 4 | WPB CAPS 12 SCH.STD | VEDI NOTE | SODDISFACENTE | | | | | | | | | | | | | | |
| | A70 | 020 | FAX | 34 | A105N GOMITI 90 1 3000 SW SA105M | VEDI NOTE | SODDISFACENTE | | | | | | | | | | | | | | |
| | N58 | 021 | FAX | 35 | A105N TAPPI M.T.E. 1/2" SA105M | VEDI NOTE | SODDISFACENTE | | | | | | | | | | | | | | |
| 14A | 74524 | 022 | FAX | 12 | A105N GOMITI 90 1/2 3000 SW SA105M | VEDI NOTE | SODDISFACENTE | | | | | | | | | | | | | | |
| | 40801 | 023 | FAX | 6 | A105N TEE 1/2 3000 SW SA105M | VEDI NOTE | SODDISFACENTE | | | | | | | | | | | | | | |
| COD. COL. | COLATA | POS. | MATERIALE | C% | SI% | MN% | S% | P% | Cr% | Ni% | Mo% | Ti% | Cu% | V% | Nb% | N% | Al% | C.E.% | ALTRI ELEMENTI | | |
| P852 | 200981 | 012 | SA/A403 WP304/304L | 0.012 | 0.580 | 1.460 | 0.001 | 0.024 | 18.170 | 8.260 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | |
| | 761044 | 013 | SA/A403 WP304/304L | 0.016 | 0.380 | 1.560 | 0.006 | 0.028 | 18.390 | 10.200 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | |
| | 72475 | 014 | SA/A105N | 0.210 | 0.220 | 0.890 | 0.026 | 0.015 | 0.100 | 0.050 | 0.010 | 0.000 | 0.170 | 0.001 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | | |
| | 72476 | 015 | SA/A105N | 0.180 | 0.180 | 0.900 | 0.019 | 0.012 | 0.100 | 0.050 | 0.010 | 0.005 | 0.160 | 0.001 | 0.001 | 0.000 | 0.012 | 0.395 | 0.000 | | |
| | 74307 | 016 | SA/A105N | 0.210 | 0.280 | 0.870 | 0.014 | 0.015 | 0.110 | 0.050 | 0.010 | 0.000 | 0.220 | 0.000 | 0.000 | 0.000 | 0.019 | 0.366 | 0.000 | | |
| | 73847 | 017 | SA/A105N | 0.195 | 20.000 | 0.940 | 0.025 | 0.014 | 0.090 | 0.050 | 0.010 | 0.000 | 0.160 | 0.000 | 0.000 | 0.000 | 0.000 | 0.399 | 0.000 | | |
| | 3P852CH | 018 | SA/A234 WPB | 0.160 | 0.210 | 0.760 | 0.006 | 0.020 | 0.040 | 0.020 | 0.000 | 0.000 | 0.010 | 0.000 | 0.000 | 0.000 | 0.000 | 0.386 | 0.000 | | |
| | Z536 | 019 | SA/A234 WPB | 0.160 | 0.110 | 0.790 | 0.008 | 0.019 | 0.030 | 0.030 | 0.010 | 0.000 | 0.010 | 0.000 | 0.001 | 0.000 | 0.000 | 0.296 | 0.000 | | |
| | A70 | 020 | SA/A105N | 0.190 | 0.190 | 1.080 | 0.020 | 0.023 | 0.100 | 0.050 | 0.010 | 0.005 | 0.170 | 0.000 | 0.001 | 0.000 | 0.000 | 0.302 | 0.000 | | |
| | N58 | 021 | SA/A105N | 0.200 | 0.270 | 0.930 | 0.026 | 0.012 | 0.110 | 0.060 | 0.010 | 0.005 | 0.170 | 0.002 | 0.001 | 0.000 | 0.000 | 0.014 | 0.409 | 0.000 | |
| 14A | 74524 | 022 | SA/A105N | 0.210 | 0.240 | 0.910 | 0.019 | 0.018 | 0.090 | 0.040 | 0.010 | 0.005 | 0.150 | 0.002 | 0.001 | 0.000 | 0.000 | 0.010 | 0.394 | 0.000 | |
| | 40801 | 023 | SA/A105N | 0.186 | 0.300 | 0.872 | 0.005 | 0.012 | 0.196 | 0.392 | 0.010 | 0.000 | 0.073 | 0.001 | 0.002 | 0.000 | 0.000 | 0.020 | 0.395 | 0.000 | |
| COD. COL. | COLATA | POS. | TRATT. TERM. | FORMING | SML | SNERVAMENTO | ROTTURA | ALLUNGAMENTO | CONTRAZIONE | DUREZZA HB | RESILLENZA - JOULE/cm2 | | | PRODUTTORE | | | NS. RIF. | | | | |
| | | | (*) | | W W X <td>N/mm2 >=0,2%<td>N/mm2 >=<td>%>=<td>%>=<td><td colspan="3">TIPO 10x10mm<td colspan="3"><td></td></td></td></td></td></td></td></td> | N/mm2 >=0,2% <td>N/mm2 >=<td>%>=<td>%>=<td><td colspan="3">TIPO 10x10mm<td colspan="3"><td></td></td></td></td></td></td></td> | N/mm2 >= <td>%>=<td>%>=<td><td colspan="3">TIPO 10x10mm<td colspan="3"><td></td></td></td></td></td></td> | %>= <td>%>=<td><td colspan="3">TIPO 10x10mm<td colspan="3"><td></td></td></td></td></td> | %>= <td><td colspan="3">TIPO 10x10mm<td colspan="3"><td></td></td></td></td> | <td colspan="3">TIPO 10x10mm<td colspan="3"><td></td></td></td> | TIPO 10x10mm <td colspan="3"><td></td></td> | | | <td></td> | | | | | | | |
| P852 | 200981 | 012 | | COLD | W | 240,0 | 604,0 | 57,0 | 0,0 | 146 | 0 | 0 | 0 | 0 | 0 | 0 | TA CHEN | | | | |
| | 761044 | 013 | | COLD | SMLS | 267,0 | 565,0 | 49,0 | 0,0 | 144 - 150 | 0 | 0 | 0 | 0 | 0 | 0 | ERNE FITTINGS GMBH | | | | |
| | 72475 | 014 | | | SMLS | 301,0 | 526,0 | 36,0 | 49,0 | 158 - 166 | 65 | 64 | 63 | | | | | | | | |
| | 72476 | 015 | | | SMLS | 304,0 | 536,0 | 31,0 | 54,0 | 160 - 166 | 105 | 100 | 104 | | | | | | | | |
| | 74307 | 016 | | HOT | SMLS | 329,0 | 532,0 | 26,0 | 55,0 | 154 | 20 | 56 | 58 | | | | | | | | |
| | 73847 | 017 | | HOT | SMLS | 328,0 | 531,0 | 34,0 | 60,0 | 168 | 20 | 88 | 85 | | | | | | | | |
| | 3P852CH | 018 | | COLD | SMLS | 306,0 | 476,0 | 26,0 | 0,0 | 142 | -10 | 52 | 56 | | | | | | | | |
| | Z536 | 019 | | COLD | SMLS | 372,0 | 485,0 | 26,0 | 0,0 | 130 | -5 | 59 | 68 | | | | | | | | |
| | A70 | 020 | | HOT | SMLS | 305,0 | 536,0 | 31,0 | 56,0 | 162 | -10 | 64 | 55 | | | | | | | | |
| | N58 | 021 | | HOT | SMLS | 336,0 | 549,0 | 34,0 | 57,0 | 166 | -10 | 96 | 90 | | | | | | | | |
| 14A | 74524 | 022 | | HOT | SMLS | 301,0 | 524,0 | 33,0 | 54,0 | 158 - 162 | -10 | 69 | 71 | | | | | | | | |
| | 40801 | 023 | | HOT | SMLS | 390,0 | 550,0 | 30,0 | 65,0 | 161 - 168 | -10 | 69 | 66 | | | | | | | | |
| NOTE NACE MR0175/03 - NACE MR0103/03 | | | | | | | | | | | | | | | | | | | | | |
| 061602 | | | | | | | | | | | | | | | | | | | | | |
| 900107 | | | | | | | | | | | | | | | | | | | | | |

UFFICIO CONTROLLO QUALITA'

ENTE UFFICIALE DI COLLAUDO

COLLAUDO ESTERNO

QUALITY CONTROL
DEF

(*) 1=Prodotto a caldo tra 620-980 °C 2=Tratt. di distensione 3=Normalizzato 4=Normalizzato e rinvenuto
5=Temprato e rinvenuto 6=Solubilizzato 7=Vedi descrizione

over

Acciaieria Arvedi S.p.A.

Sede Legale:
Via Donizetti, 20
20122 Milano

Sede Amministrativa e Stabilimenti:
Via Acquaviva, 18
26100 Cremona - Italia
Tel. +39 0372 4781
Fax +39 0372 478259

Via Alberto da Giussano, 11
20011 Corbetta - MI
Tel. +39 02 972351

Cap.Soc. 30.000.000 EUR i.v.
Società interamente controllata
da Finarvedi S.p.A.

Part. IVA IT 11852670154
Cod.fisc. 00910070192
Reg.Imp.MI 00910070192
REA MI 1497770

e-mail vendite@ast.arvedi.it
www.arvedi.it

Acciaieria Arvedi**Certificato di collaudo**

Spett.le **FRANCHINI LAMIERE S.P.A.**
VIA IV NOVEMBRE

25010 SAN ZENO NAVIGLIO**BS**

Numero 2011/ 32645 **data** 01/06/2011 **EN 10204** 3.1

| | | | |
|----------------------|----------------------------|---------------|--------|
| Rif. conferma ordine | 2011 / A / 18063 / 10 | Vostro ordine | 11-057 |
| Prodotto fornitore | Coil NERO 1500x3,00 S235JR | Marca acciaio | S235JR |
| spess. | 3 | larg. | 1500 |
| norma | UNI EN 10025-2 | | |

Prove meccaniche e tecnologiche

| Prova | Rm N/mm2 | Al% | Re N/mm2 |
|---------|----------|-----|----------|
| minimo | 360, | 24, | 235, |
| massimo | 510, | | |

| lotto | colata | qtà | spedizione | valori | | | | | |
|------------|--------|-----------|----------------------------|----------|-------|-----|------|----------|-------|
| -712294206 | 122942 | TON 24,74 | 2011/VE/3438647/9 00002 | Rm N/mm2 | 382,2 | Al% | 35,1 | Re N/mm2 | 308,1 |

Analisi chimica

| elemento | C | Mn | Si | P | S | Cr | Ni | Mo | Cu | Sn | Al | Ceq |
|----------|------|-----|------|-------|-------|----|----|----|------|----|----|------|
| minimo | | | | | | | | | | | | |
| massimo | 0,17 | 1,4 | 0,03 | 0,035 | 0,035 | | | | 0,55 | | | 0,37 |

| colata | valori | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 122942 | C | Mn | Si | P | S | Cr | Ni | Mo | Cu | Sn | Al | Ceq |
| | 0,0401 | 0,2701 | 0,0275 | 0,0099 | 0,0015 | 0,0818 | 0,0779 | 0,0151 | 0,1733 | 0,0083 | 0,0356 | 0,1216 |

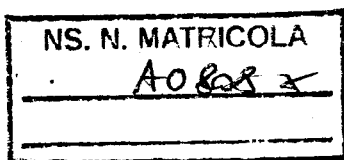
Note

Certifichiamo che:

- 1- L'acciaio usato è elaborato al forno elettrico (E) e ha grado di disossidazione FF
- 2- I prodotti sopra elencati sono conformi alle specifiche dell'ordine
- 3- Il controllo della marcatura, dell'identificazione, dell'aspetto della superficie, della forma e delle caratteristiche dimensionali è soddisfacente.
- 4- Nelle prove di trazione sono state usate solo provette prismatiche.

METALLURGIA QUALITÀ

Firma



FRANCHINI LAMIERE S.p.A.
COPIA CONFORME ALL'ORIGINALE
CLIENTE
ORDINE N°
SOMMESSA N°
QUANTITÀ E FORMATI COME DA
RIS. R.A.M.



本钢板材股份有限公司
BENGANG STEEL PLATES CO., LTD

产品质量证明书
PRODUCT QUALITY CERTIFICATE

辽宁省本溪市平山区钢铁路18号
No.18, Gangtie Road, Pingshan District
Benxi Liaoning Province P.R.China
电话: 0414-7828933 邮编: 117000
TEL: 0414-7828933 PC: 117000

质量管理中心 JL-014

H0872-A

0934

| | | | | | | | |
|-----------------|--|---|--|---------------------------|--|---------------|--|
| 客户名称 SOLD TO | | 斯坦科东南亚公司 | | 产品名称 Product | | HRC | |
| 技术条件 SPEC. | | Q/B 131-2010 ACC. TO EN10204-2004 TYPE3.1 | | 商业发票号码 INVOICE NO. | | E011041894 | |
| 钢种 Grade | | S235JR | | 客户编号 CUSTOMER NO. | | SNC00005 | |
| 检验 INSP. | | 本钢板材质量管理中心 BX Steel Quality Management Center | | 交货日期 SHIPPING DATE | | 2011/04/27 | |
| | | | | 客户采购单号 CUST. ORDER NO. | | R1102BC035-2 | |
| | | | | 证明日期 ISSUE DATE | | 2011/04/28 | |
| | | | | 订单编号 ORDER NO. | | EH11030049001 | |
| | | | | 证明书编号 CERTIFICATE NO. | | 110427H0872 | |

| 项目 ITEM NO. | | | | 钢卷编号 COIL NO. | | 炉号 HEAT NO. | | 等级 CLASS NO. | | 尺寸及规格 MATERIAL DESCRIPTION | | | | 化学成分 CHEMICAL COMPOSITION % | | | | | | | | | | | | | | 拉伸试验 | | | | *B1 弯曲 180° d=2a | | | |
|----------------|--|--|--|------------------|--|----------------|--|-----------------|--|--|--------------|---------------|-----------|-----------------------------|--------|----|----|-----|----|---|----|----|----|----|---|----|----|--------------|-----------|----------|------|---------------------------|------|----|--|
| | | | | | | | | | | 厚度 THICK | *宽度 WIDTH | *长度 LENGTH | 数量 QTY | 重量 WEIGHT t | C | Si | Mn | P | S | Alt | Cr | Ni | Gu | Mo | V | C2 | B | *A1 Rp0.2 | *A2 RM | *A3 A | | | | | |
| SPECIFICATION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 05 | | | | A110337512B | | 1142221 | | 1 | | 8.000mm*2000mm*C | | | | 1 | 28.980 | 17 | 30 | 140 | 35 | 35 | 20 | 30 | 30 | 30 | 8 | 10 | 35 | 8 | 235 | 360 | 24.0 | | | | |
| 05 | | | | A110337523B | | 1142226 | | 1 | | 8.000mm*2000mm*C | | | | 1 | 28.870 | 10 | 10 | 45 | 11 | 11 | 9 | 40 | 30 | 3 | 0 | 1 | 0 | 0 | 20 | 13 | 265 | 395 | 33.0 | OK | |
| | | | | | | | | | | BRANCONI COPRACON CLIENTE ORDINE N° COMMESSA N° CONFEZIONE NS E.A.M. | | | | | | | | | | LA VIERRE SPA SME ALL'ORIGINALE SME | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------|------------------------------|-----------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| *A1 屈服强度 YIELD STRENGTH | *A2 抗拉强度 TENSILE STRENGTH | *A3 伸长率 ELONGATION | *B1 弯曲 BENDING | *B2 弯曲 BENDING | *B3 弯曲 BENDING | *B4 弯曲 BENDING | *B5 弯曲 BENDING | *B6 弯曲 BENDING | *B7 弯曲 BENDING | *B8 弯曲 BENDING | *B9 弯曲 BENDING | *B10 弯曲 BENDING | *B11 弯曲 BENDING | *B12 弯曲 BENDING | *B13 弯曲 BENDING | *B14 弯曲 BENDING | *B15 弯曲 BENDING | *B16 弯曲 BENDING | *B17 弯曲 BENDING | *B18 弯曲 BENDING | *B19 弯曲 BENDING | *B20 弯曲 BENDING | *B21 弯曲 BENDING | *B22 弯曲 BENDING |
| 57.850 | 57.850 | 57.850 | 57.850 | 57.850 | 57.850 | 57.850 | 57.850 | 57.850 | 57.850 | 57.850 | 57.850 | 57.850 | 57.850 | 57.850 | 57.850 | 57.850 | 57.850 | 57.850 | 57.850 | 57.850 | 57.850 | 57.850 | 57.850 | 57.850 |

| | | |
|-------------|--|--|
| SURVEYOR TO | WE HEREBY CERTIFY THAT MATERIAL DESCRIBED HEREIN HAS BEEN MANUFACTURED AND TESTED WITH SATISFACTORY RESULTS IN ACCORDANCE WITH THE STANDARD TECHNIQUE. | 本钢板材质量管理中心 BX Steel Quality Management Center |
|-------------|--|--|

CERTIFICATO DI COLLAZIONE NF EN 10204-3.1/DIN 50049-3.1/B/ISO 10474

ArceclorMithal

ARCELABORATORIAL MEDITERRANEE
USINE DE FOS SUR MER
13776 - FOS SUR MER CEDEX
FRANCE
Tél:04.42.47.33.14 Fax:04.42.47.17.20

T R=273 MINI MPA Rm=390-510 MPA A5%5.5 J=24 MINI
Re=119 MINI MPA TEmP=500 C

Style du producteur
Sigle du producteur
R=119 MINI MPA TEmP=500 C

A01

A04

A07

A08

B03

A02

B.E. 730/ 340351

A09/A03

Organisme et/ou
service de contrôle
Organisme e/o
service de controllo

Client et/ou destinataire
Client e/o destinatario

N° Commande
N° di ordine
N° di ordine della fabbrica

N° d'Ordre de la fabrique
FHI1001007

Nombres et spécifications techniques / Tipi di acciaio e specifiche tecniche
P235NH+AD2000W.L.EN10028-2/2009
BOBINE BRUTE

Etat de livraison
Stato di consegna
LTC: LN

Traitement de référence
Trattamento di riferimento
N. BL

Etat de livraison
Stato di consegna
LTC: LN

Traitement de référence
Trattamento di riferimento
N. BL

A05

A06

A07

A08

B01

B02

B03

B04

B05

Identification du produit

Poste de
Ordre
N° de
pièces

Dimensions / Dimensioni

Traction / Trazione

Resilience / Resilienza

Emballage / Imballaggio

Emballage / Imballaggio

Emballage / Imballaggio

Emballage / Imballaggio

Emballage / Imballaggio

Emballage / Imballaggio

Requête pièce
N° de produit

Couleur
Couleur

Epaisseur
Spessore

Longueur
Lunghezza

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Requête pièce
N° de produit

Couleur
Couleur

Epaisseur
Spessore

Longueur
Lunghezza

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Requête pièce
N° de produit

Couleur
Couleur

Epaisseur
Spessore

Longueur
Lunghezza

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Requête pièce
N° de produit

Couleur
Couleur

Epaisseur
Spessore

Longueur
Lunghezza

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Requête pièce
N° de produit

Couleur
Couleur

Epaisseur
Spessore

Longueur
Lunghezza

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Requête pièce
N° de produit

Couleur
Couleur

Epaisseur
Spessore

Longueur
Lunghezza

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Requête pièce
N° de produit

Couleur
Couleur

Epaisseur
Spessore

Longueur
Lunghezza

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Requête pièce
N° de produit

Couleur
Couleur

Epaisseur
Spessore

Longueur
Lunghezza

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Requête pièce
N° de produit

Couleur
Couleur

Epaisseur
Spessore

Longueur
Lunghezza

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Requête pièce
N° de produit

Couleur
Couleur

Epaisseur
Spessore

Longueur
Lunghezza

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Requête pièce
N° de produit

Couleur
Couleur

Epaisseur
Spessore

Longueur
Lunghezza

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Requête pièce
N° de produit

Couleur
Couleur

Epaisseur
Spessore

Longueur
Lunghezza

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Requête pièce
N° de produit

Couleur
Couleur

Epaisseur
Spessore

Longueur
Lunghezza

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Requête pièce
N° de produit

Couleur
Couleur

Epaisseur
Spessore

Longueur
Lunghezza

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Requête pièce
N° de produit

Couleur
Couleur

Epaisseur
Spessore

Longueur
Lunghezza

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Requête pièce
N° de produit

Couleur
Couleur

Epaisseur
Spessore

Longueur
Lunghezza

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Requête pièce
N° de produit

Couleur
Couleur

Epaisseur
Spessore

Longueur
Lunghezza

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Requête pièce
N° de produit

Couleur
Couleur

Epaisseur
Spessore

Longueur
Lunghezza

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Requête pièce
N° de produit

Couleur
Couleur

Epaisseur
Spessore

Longueur
Lunghezza

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Requête pièce
N° de produit

Couleur
Couleur

Epaisseur
Spessore

Longueur
Lunghezza

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Requête pièce
N° de produit

Couleur
Couleur

Epaisseur
Spessore

Longueur
Lunghezza

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Température
Temperatura

Requête pièce
N° de produit

Couleur
Couleur

Epaisseur
Spessore

Longueur
Lunghezza

OVER S.r.L.
MONTAGGI INDUSTRIALI
Via Matteotti, 16
24050 GRASSOBBIO (BG)

Date : 31.08.2012
Doc.N°. 63F1A-B

INSPECTION BOOK N°. 63F1A-B

WORKSHOP JOB N°. : 2F11

CUSTOMER : BALLESTRA S.p.A. Milano

JOB : 2F11

ORDER N°. : 121287

Item : 63F1A-B

Description : MAGNETIC FILTER

OVER S.r.L.
F. Libretti

DESMET BALLESTRA S.p.A.
Inspector
Gatti Davide R

7/8/12

OVER S.r.L.
MONTAGGI INDUSTRIALI
Via Matteotti, 16
24050 GRASSOBBIO (BG)

Date : 31.08.2012

Doc.N° 63F1A-B

HYDROSTATIC TEST REPORT

| | |
|--------------------|------------------|
| Customer | BALLESTRA S.P.A. |
| Customer Order No. | 121287 |
| Job | 2F11 |
| Item | 63F1A-B |
| Description | MAGNETIC FILTER |
| Data sheet | 2F11.35.122 |
| Constructive Dwg. | 2F11.30.122 |

Pressure (alternatively) on :

TIME HELD (hours)

| | | | |
|------------|--------|-------------|---|
| SHELL SIDE | bar(g) | FILLING H2O | 1 |
| TUBE SIDE | bar(g) | | |
| JACKET | bar(g) | | |
| COIL | bar(g) | | |

Pressure gauges serial N°

Dial range :

Vessel position : HORIZONTAL

Dichiariamo che la prova idraulica è stata eseguita utilizzando acqua potabile alle pressioni e tempi indicati in tabella ed ha avuto esito positivo.

We certify that the hydrostatic test with water of drinking quality has been performed, at the conditions and times above indicated, with satisfactory result.

OVER S.r.L. Grassobbio (Bg)
F. Libretti

CUSTOMER INSPECTOR

BALLESTRA S.P.A.
Inspector
Gatti Davide
R
7/9/12

OVER S.r.L.
MONTAGGI INDUSTRIALI
Via Matteotti, 16
24050 GRASSOBBIO (BG)

Date : 31.08.2012

Doc. No. : 63F1A-B

WHITE PICKLING REPORT

(For apparatus in Stainless steel with parts in Carbon steel)

QUALITY CONTROL PLAN No. : 63F1A-B

| | |
|--------------------|------------------|
| Customer | BALLESTRA S.P.A. |
| Customer Order No. | 121287 |
| Job | 2F11 |
| Item | 63F1A-B |
| Description | MAGNETIC FILTER |
| Data sheet | 2F11.35.122 |
| Constructive Dwg. | 2F11.30.122 |

Il decapaggio esterno è stato eseguito in accordo alla specifica Ballestra No SB-ATI-SP002/4 utilizzando pasta decapante DECABLITZ DR5 per un' ora e risciacquando accuratamente con acqua potabile.

The external white pickling treatment has been performed, according to the Ballestra's specification No. SB-ATI-SP002/4 with paste DECABLITZ DR5 for one hour and thoroughly rinsed with water of drinking quality.

Il ciclo di verniciatura su superfici esterne è stato eseguito in accordo alla specifica Ballestra No. SB-ATI-SP002/4 utilizzando antiruggine COSMALVER TIPO BW0136

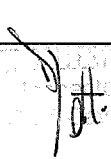
The external painting cycle has been performed, according to the Ballestra's specification No. SB-ATI-SP002/4 with antirust COSMALVER TYPE 0136


Le parti interne sono state pulite per mezzo di solvente EMULCLEAR M.

The internal parts have been cleaned by means of solvent EMULCLEAR M.


OVER S.r.L. - GRASSOBBIO (BG)

CUSTOMER INSPECTOR


BALLESTRA S.p.A.
Inspector
Date

| | |
|---|--|
|  OVER S.r.L. MONTAGGI INDUSTRIALI Via Matteotti, 16 24050 GRASSOBBIO (BG) Workshop Job n° 2F11 N°. C0 12C63 | CERTIFICATO CONTROLLO DIMENSIONALE DIMENSIONAL TEST REPORT |
| | CUSTOMER : BALLESTRA S.p. A. JOB N°. 2F11 Purchase Order N°. 121287 Doc. N°. Sheet 1 of 1 Rev. 0 |

| | | |
|-----------------------|-----------------|-------------|
| ITEM : | 63F1A-B | |
| Description : | MAGNETIC FILTER | |
| DATA SHEET N°. | | 2F11.35.122 |
| Constructive Dwg. N°. | 2F11.30.122 | |

SI CERTIFICA CHE L' APPARECCHIO E' STATO SOTTOPOSTO A
CONTROLLO DIMENSIONALE IN ACCORDO AI DISEGNI :

BALLESTRA S.p.A. : DATA SHEET N°. 2F11.35.122
 BALLESTRA S.p.A. : COSTRUTTIVO N°. 2F11.30.122

ED ALLE SPECIFICHE RICHIAMATE SUGLI STESSI

TUTTE LE MISURAZIONI EFFETTUATE SONO CONFORMI
 ALLE TOLLERANZE INDICATE A DISEGNO
 ED ALLE SPECIFICHE IN ESSI RICHIAMATE.
 E' STATO ESEGUITO CONTROLLO SPESSORI

WE CERTIFY THAT THE ITEM HAS BEEN CONTROLLED
 DIMENSIONALLY ACCORDING TO DRAWINGS :

BALLESTRA S.p.A. : DATA SHEET N°. 2F11.35.122
 BALLESTRA S.p.A. : CONSTRUCTIVE N°. 2F11.30.122

AND TO THE SPECIFICATIONS NOTED IN
 THE ABOVE MENTIONED DRAWINGS.

ALL THE MEASUREMENTS PERFORMED RESULT WITHIN
 DRAWINGS TOLERANCES
 AND TO THE SPECIFICATIONS NOTED IN
 THE ABOVE MENTIONED DRAWINGS.
 THICKNESS CHECK HAS BEEN PERFORMED

Handwritten signature and stamp:
 BALLESTRA S.p.A.
 Inspector
 Gatti Davide R
 7/3/12

RISULTATO / Result : SODDISFACENTE / Satisfactory

| | | | | | | | |
|------|-------------|------------|----------------|------|--------------|------|-------------|
| 1 | F. Libretti | | | | | | |
| 0 | OVER Srl | 31.08.2012 | | | | | |
| Rev. | Issued by | Date | Checked by | Date | Approved by | Date | Description |
| REV. | Emesso da | Data | Controllato da | Data | Approvato da | Data | Descrizione |

| | |
|--|---|
| OVER S.r.L. Via Matteotti,16 Tel. 035 -525256 Fax 035 - 526467 | CERTIFICATO DI CONFORMITA' CERTIFICATE OF COMPLIANCE |
| | CUSTOMER : BALLESTRA S.p.A. JOB N°. 2F11 Purchase Order N°. : 121287 |
| Workshop Job N° 2F11 N°.: CO 12C63 | |

| | | |
|------------------------|-----------------|-------------|
| ITEM : | 63F1A-B | |
| Description : | MAGNETIC FILTER | |
| DATA SHEET N°. | | 2F11.35.122 |
| Constructive Dwg. N°. | 2F11.30.122 | |
| QUALITY CONTROL PLAN : | | |

SI CERTIFICA CHE IL MATERIALE RISULTA CONFORME
 A QUANTO RICHIESTO DAI DISEGNI,
 DALL' ORDINE ED ALLE SPECIFICHE IN ESSI RICHIAMATI.

WE HEREBY CERTIFY THAT THE MATERIAL IS IN COMPLETELY
 ACCORDANCE WITH THE DRAWINGS,
 THE ORDER AND THE SPECIFICATIONS NOTED IN ABOVE
 MENTIONED DOCUMENTS.

BALLESTRA S.p.A.
 Director
 Carlo Davide R
 7/3/12

OFF. OVER S.R.L. GRASSOBBIO (BG)

| | | | | | | | |
|------|-------------|------------|----------------|------|--------------|------|-------------|
| | | | | | | | |
| 1 | F. Libretti | | | | | | |
| 0 | OVER | 31.08.2012 | | | | | |
| Rev. | Issued by | Date | Checked by | Date | Approved by | Date | Description |
| REV. | Emesso da | Data | Controllato da | Data | Approvato da | Data | Descrizione |



METALFAR
PRODOTTI INDUSTRIALI S.P.A.

SEDE AMMINISTRATIVA E STABILIMENTO:
23861 CESANA BRIANZA (LC) - Italy
Via G. Pirelli, 28
Tel. +39 031.655441
Fax +39 031.655149
quality.mff@farms.com

SALA PROVE E ANALISI MATERIALI / MATERIAL TEST DEPARTMENT

COMPANY WITH QUALITY MANAGEMENT
SYSTEM CERTIFIED BY DNV
= ISO 9001:2008 =

CERTIFICATO DI COLLAUDO SECONDO EN 10204 - 3.1 INSPECTION CERTIFICATE

| | | | |
|-------------------------------------|----------------------|-----------------------|-----------|
| Certif. N. 3326 | Del/Dated 03.07.2012 | Fattura / Invoice N. | Del/Dated |
| DDT / Del Note N. 2688 | Del/Dated 02.07.2012 | Ns.Ord. / Our ref. N. | Del/Dated |
| FERRAMENTA INDUSTRIALE BONACINA SRL | | | |
| VIALE EUROPA, 2G - FRAZ. CURNASCO | BG | IT | |
| 24048 | TREVIOLO | | |

Page 5 - 13

| COD. COL. | COLATA | POS. | VS. ORDINE | Q.TA' | DESCRIZIONE | DIM. IN ACC. A | FORNO / FURNACE | ORIGINE / ORIGIN | | | | | | | | | | | | | | | | | | | | | |
|--|----------|-------------|----------------|---------|------------------|-----------------------|-------------------|------------------|---|----------|--------------------------|-------------|-------------|---------|-------|-----|-------|---|-------|----|-------|-----|-------|----|-------|-----|-------|--------|-------|
| HEAT CODE | HEAT | ITEM | YOUR REFERENCE | Q.TY | DESCRIPTION | DIM. ACCORDANCE TO | ELECTRIC FURNACE | VISIVO E DIMENS. | | | | | | | | | | | | | | | | | | | | | |
| 12/30614 | | 020 | 66 | 3,00 | S/O 150 RF 6" | ASME/ANSI B16.5 -2009 | | VIS. & DIMENS. | | | | | | | | | | | | | | | | | | | | | |
| MATERIALE / MATERIAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ASTM A105 (LADLE) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C% | 0,195 | S% | 0,220 | Mn% | 0,960 | S% | 0,009 | P% | 0,010 | Cr% | 0,090 | Ni% | 0,050 | Mo% | 0,010 | Ti% | 0,017 | Cu% | 0,110 | V% | 0,002 | Nb% | 0,002 | N% | 0,000 | Al% | 0,026 | C.E. % | 0,386 |
| PROVETTA / TEST SPECIMEN | FORMA | SVERNAMENTO | YIELD POINT | ROTTURA | TENSILE STRENGTH | ALLUNGAMENTO | REDUCTION OF AREA | CONTRAZIONE | DUREZZA | HARDNESS | RESILIENZA / IMPACT TEST | - JOULE/cm2 | TIPO / TYPE | 10x10mm | KV | -10 | 62 | 60 | 64 | | | | | | | | | | |
| SEZ. mm2 | LUNG. mm | 1-O 2-O | N/mm2 | N/mm2 | N/mm2 | %>= | %>= | %>= | HBW | HBW | °C | | | | | | | | | | | | | | | | | | |
| 126,60 | 50,80 | 1 | 344,0 | 515,0 | 31,0 | 59,0 | 156,0 - 159,0 | 174,0 - 178,0 | | | | | | | | | | | | | | | | | | | | | |
| MATERIALE IN ACCORDO A / MATERIAL IN ACC. TO | | | | | | | | | TRATTAMENTO TERMICO / HEAT TREATMENT | | | | | | | | | NORMALIZED AT 920 C - COOLED IN STILL AIR | | | | | | | | | | | |
| ASTM/ASME A 105/SA 105 M - 11 ASME CODE SECT. II, PART A, ED. 2010 | | | | | | | | | NORMALIZED AT 920 C - COOLED IN STILL AIR | | | | | | | | | EUROPE | | | | | | | | | | | |

| | | | | | | | |
|--|----------|----------------|---------------------|-------------------|-----------------------|------------------|------------------|
| COD. COL. | COLATA | POS. | VS. ORDINE | Q.TA' DESCRIZIONE | DIM. IN ACC. A | FORNO / FURNACE | ORIGINE / ORIGIN |
| HEAT CODE HEAT | ITEM | YOUR REFERENCE | Q.TY DESCRIPTION | DESCRIPTION | DIM. ACCORDANCE TO | ELECTRIC FURNACE | EUROPE |
| 12/30614 | 009 | 69 | 10,00 S/O 150 RF 6" | A105N | ASME/ANSI B16.5 -2009 | | |
| MATERIALE / MATERIAL | | | | | | | |
| ASTM A105 (LADLE) | | | | | | | |
| C% | 0,195 | Si% | 0,220 | Mn% | 0,960 | S% | 0,009 |
| P% | 0,010 | Cr% | 0,090 | Ni% | 0,050 | Mo% | 0,010 |
| Ti% | 0,017 | Cu% | 0,110 | V% | 0,002 | Nb% | 0,002 |
| N% | 0,000 | Al% | 0,026 | C.E. % | 0,386 | | |
| PROVETTA / TEST SPECIMEN | | | | | | | |
| FORMA | SEZ. mm2 | LUNG. mm | 1-O 2-O | SVERNAMENTO | YIELD POINT | ROTTURA | TENSILE STRENGTH |
| N/mm2 | N/mm2 | N/mm2 | N/mm2 | N/mm2 | N/mm2 | N/mm2 | N/mm2 |
| 1 | 126,60 | 50,80 | 1 | 344,0 | 515,0 | 31,0 | 59,0 |
| MATERIALE IN ACCORDO A / MATERIAL IN ACC. TO | | | | | | | |
| ASTM/ASME A 105/SA 105 M - 11 ASME CODE SECT. II, PART A, ED. 2010 | | | | | | | |
| TRATTAMENTO TERMICO / HEAT TREATMENT | | | | | | | |
| NORMALIZED AT 920 C - COOLED IN STILL AIR | | | | | | | |
| RESILIENZA / IMPACT TEST - JOULE/cm2 | | | | | | | |
| TIPO / TYPE | 10x10mm | KV | -10 | 62 | 60 | 64 | |
| SVERNAMENTO | | | | | | | |
| YIELD POINT | N/mm2 | N/mm2 | N/mm2 | N/mm2 | N/mm2 | N/mm2 | N/mm2 |
| 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 |
| FORNO / FURNACE | | | | | | | |
| ELECTRIC FURNACE | | | | | | | |
| EUROPE | | | | | | | |

| COD. COL. | | COLATA | POS. | VS. ORDINE | Q.TA' DESCRIZIONE | DIM. IN ACC. A | FORNO / FURNACE | | ORIGINE / ORIGIN |
|--|-----------|---------|----------------|-------------|---------------------------|-----------------------|-------------------|-------------|------------------|
| HEAT CODE HEAT | | ITEM | YOUR REFERENCE | Q.TY | DESCRIPTION | DIM. ACCORDANCE TO | ELECTRIC FURNACE | | EUROPE |
| 334227 | | 002 | 69 | 5,00 | W/N 300 RF 3/4" 40S F316L | ASME/ANSI B16.5 -2009 | | | |
| MATERIALE / MATERIAL | | | | | | | | | |
| ASTM A182 F316/F316L (LADLE) | | | | | | | | | |
| C% | 0,019 | Si% | 0,420 | Mn% | 1,600 | S% | 0,027 | P% | 0,031 |
| | | | | | | Cr% | 16,600 | Ni% | 10,050 |
| | | | | | | Mo% | 2,020 | Ti% | 0,000 |
| | | | | | | Cu% | 0,000 | V% | 0,000 |
| | | | | | | Nb% | 0,000 | N% | 0,027 |
| | | | | | | Al% | 0,000 | C.E. % | 0,000 |
| PROVETTA / TEST SPECIMEN | | | | | | | | | |
| SEZ. mm2 | LUNG. mm | FORMA | SVERNAMENTO | YIELD POINT | ROTTURA | ALLUNGAMENTO | REDUCTION OF AREA | CONTRAZIONE | DUREZZA |
| SECT. mm2 | LENGTH mm | 1-O 2-O | N/mm2 >=0,2% | N/mm2 | N/mm2 >= | %>= | %>= | %>= | HBW |
| 126,60 | 50,80 | 1 | 274,0 | 593,0 | 54,0 | 78,0 | 174,0 - 178,0 | | |
| MATERIALE IN ACCORDO A / MATERIAL IN ACC. TO | | | | | | | | | |
| ASTM A 182/A 182M -11a ASME SA 182/A 182M-E07 ASME CODE SECT. II, PART A, ED. 2010 | | | | | | | | | |
| TRATTAMENTO TERMICO / HEAT TREATMENT | | | | | | | | | |
| SOLUTION TREAT AT 1050 C - QUENCHED IN WATER | | | | | | | | | |
| RESILIENZA / IMPACT TEST - JOULE/cm2 | | | | | | | | | |
| TIPO / TYPE | 10x10mm | KV | 20 | 159 | 160 | 156 | | | |
| SVERNAMENTO | | | | | | | | | |
| YIELD POINT | | | | | | | | | |
| N/mm2 >=1,0% | | | | | | | | | |
| 0,0 | | | | | | | | | |
| Ns Rf. | | | | | | | | | |
| OUR REF. | | | | | | | | | |

NOTE MANUFACTURING IN ACCORDANCE WITH ORDER AND SPECIFICATION
Q.A.S. IN ACCORD WITH PRESS EQUIP. DIRECT. 97/23/CECIPED) ANNEX I, PARAGRAPH 4.3
CERT. MLN 0531016/01
MATERIAL IN ACCORDANCE WITH NACE MR-0175/2009 ISO 15156-2:2009

UFFICIO CONTROLLO QUALITA' QUALITY CONTROL DEPARTMENT

ENTE UFFICIALE DI COLLAUDO INSPECTION AUTHORITY

MARCHIO PRODUZIONE MANUFACTURER'S SYMBOL

FERRAMENTA INDUSTRIALE BONACINA SRL
Viale Europa 2G - Fraz. Curناسco
Tel. 031.655441 - Fax 031.655149
C.F. IVA 00727710162
S. Corti
L. Sgarbi
FERRAMENTA INDUSTRIALE BONACINA S.R.L.
MFF

Original

WELSLINK ENTERPRISE LIMITED

TEL: 886-7-7243031~4
FAX: 886-7-7133623
886-7-7262595
886-7-7259254

5FL, NO. 78 KWANG HWA 2ND RD.,
CHIEN CHEN DIST, KAOHSIUNG
TAIWAN, R.O.C.

URL: www.catamaron.com
E-Mail: catama@seed.net.tw

MILL TEST CERTIFICATE CERTIFICATE OF ANALYSIS (INSPECTION CERTIFICATE)

ACCORDING TO EN10204 3.1B

PAGE : 7 OF 9
DATE : AUG.09.2009
P/I NO. : SH50312 (REVISED)
P/O NO. : 408

COMMODITY : STAINLESS STEEL SEAMLESS PIPES
SPEC. / MATERIALS : ASTM A312 -04b TP316/316L
Certificate / INV. No.: CA0800

| DIMENSIONS | | | | BUNDLE NO. | PIECES | WEIGHT (kgs) | HEAT NO. |
|------------|------------------------|-----------------------|--------------------|------------|--------|------------------------|-----------|
| ITEM | O.D. (mm) (inch) | W.T. (mm) (sch) | Length (M) /PCE | | | | |
| 23. | 141.30 mm 5" | 3.40 mm SCH 10S | 6.0 ~ 7.0 | 05-5-9-7 | 8 | 54.54 M (632kgs) | J0504-08 |
| 24. | 168.30 mm 6" | 3.40 mm SCH 10S | 6.0 ~ 7.0 | 05-5-9-8 | 61 | 414.95 M (5801kgs) | J0504-08 |
| 25. | 219.1 mm 8" | 3.76 mm SCH 10S | 6.0 ~ 7.0 | 05-5-9-9 | 60 | 410.5 M (8417kgs) | J0504-411 |
| 26. | 33.40 mm 1" | 3.38 mm SCH 40S | 6.0 ~ 7.0 | 05-6-109 | 157 | 1001.81 M (2493kgs) | J0402-41 |

| CHEMICAL CONTENTS (WT%) | | | | | | | | |
|--------------------------|--------|-------|--------|--------|-------|-------------|-------------|-----------|
| ELEMENTS | C | Mn | P | S | Si | NI | Cr | Mo |
| | ≤0.030 | ≤2.00 | ≤0.045 | ≤0.030 | ≤1.00 | 10.00-14.00 | 16.00-18.00 | 2.00-3.00 |
| Item#23 | 0.018 | 0.64 | 0.030 | 0.001 | 0.47 | 12.25 | 16.42 | 2.02 |
| Item#24 | 0.018 | 0.64 | 0.030 | 0.001 | 0.47 | 12.25 | 16.42 | 2.02 |
| Item#25 | 0.019 | 0.64 | 0.029 | 0.001 | 0.37 | 12.25 | 16.46 | 2.04 |
| Item#26 | 0.018 | 0.64 | 0.033 | 0.004 | 0.40 | 12.19 | 16.34 | 2.05 |

| PHYSICAL PROPERTIES | | | | | | | |
|---------------------|---------------------------------|------------------------------|-------------------|--------------------|--------------------------|-----------------|-----------------------------------|
| ELEMENTS | 0.2% YIELD STRENGTH (Mpa) | TENSILE STRENGTH (Mpa) | ELONGATION (%) | FLATTENING TEST | HARDNESS (HRB) ≤90 | FLARING TEST | EDDY CURRENT TEST (100%) |
| | ≥205 | ≥515 | ≥35 | | | | |
| Item#23 | 300 | 610 | 55.0 | OK | 74 | OK | OK |
| Item#24 | 280 | 600 | 53.0 | OK | 73 | OK | OK |
| Item#25 | 260 | 595 | 56.0 | OK | 72 | OK | OK |
| Item#26 | 275 | 575 | 63.0 | OK | 71 | OK | OK |

REMARKS:

WALL THICKNESS TOLERANCE AS PER ASTM A312-04b
HARDNESS TEST PER NACE MR0175-2003
SOLUTION HEAT TREATMENT: 1050°C × 1.15m/min
NO WELD REPAIR WAS PERFORMED
FREE FROM MERCURY CONTAMINATION
PMI TESTING DONE.
CONDITION: COLD FINISH / SOLUTION TREATED / PICKLED / PLAIN END



THE MATERIALS HAVE BEEN MANUFACTURED,
TESTED AND EXAMINATED IN ACC. WITH ALL THE
REQUIREMENTS OF THE ORDERED STANDARDS
AND WE CONFIRM THAT ALL TEST RESULT ARE
ACCEPTABLE PER ORIGINAL REF. NO.: 2005-3-5-1-11
DATED May 8, 2005.

COPIA CONFORME ALL'ORIGINALE

WELSLINK ENTERPRISE LIMITED


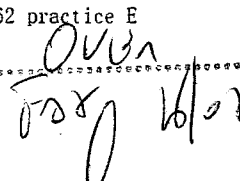
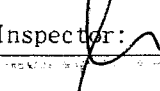
Manufacturer: CRYSTAL PALACE

S.I.T.M. s.a.s.
di Facchinetti Antonio & C.
Via Mattei, 13/A - 24040 MADONE (BG)
Tel. 035.994420 - Fax 035.993867
Cod. Fisc. e P.IVA 01726140168

| | | | | | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|--|---|--|--|--|
|  Correspondentieadres: Aperam Genk Swinnenwijerweg 5, 3600 Genk, Belgium Tel. +32 (0)89 30 21 11 | | MILL CERTIFICATE BS EN 10204/3.1 CERTIFICAT DE RECEPTION NF EN 10204/3.1 ABNAHMEPRUEFZEUGNIS DIN EN 10204/3.1 | | | | | | | | | | N-Nr-N 11K0048776-01 V01 | |
| | | Company Certificate: Certified acc. PED 97/23/EC Annex I § 4.3 by Certification Body 0036 of TÜV SÜD Industrie Service GmbH with certificate No.: 314/2007/MUC. Renounced of counter signature agreed by TÜV SÜD (9/5/2007). Approved acc. AD 2000-Merkblatt W0/TRD 100 by TÜV SÜD Industrie Service GmbH. Confirmation letter from TÜV SÜD Industrie Service GmbH of 07/05/2010 about the uniformity of coils acc. AD 2000 W2 § 4.1.1 Tech. Req.: AD 2000 W2/2008 -- AD 2000 W10/2007 -- EN 13445-2/2009 (cor.2010) | | | | | | | | | | | |
| Manufacturer's works order number N° de la commande usine productrice Werksauftragsnummer 80060096/04-14387/033/02 | | Surveyor's mark Caehet de l'expert Stempel des Werkssachverständigen | |  | | Purchaser and/or consignee Client et/ou destinataire Besteller und/oder Empfänger LAMIERE SPECIALI INOX SPA VIA GIULIO NATTA 7-A 43100 PARMA ITALIE | | | | Purchaser's order number N° de commande client Kundenbestellnummer ORD LSI OF-76 | | | |
| Product - Produit - Erzeugnis COIL, COLD ROLLED, SHOT BLASTED, UNTRIMMED COIL, LAMINE A FROID, GRENAILLE, RIVES BRUTES COIL, KALTGEWALZT, GESTRAHLT, UNBESAEUMT | | | | | | | | Purchaser's order number N° de commande client Kundenbestellnummer ORD LSI OF-76 | | | | | |
| | | | | | | | | Customer article number N° article client Artikelnummer des Kunden | | | | | |
| Steel designation Désignation de l'acier Stahlbezeichnung EN 10028-7-2008 1.4401 / 1.4401 EN 10088-2-2005 1.4404 / 1.4401 ASTM A 240-2010 TYPE 316L / 316 ASME SA 240-2010 TYPE 316L / 316 | | Finish Présentation Ausführung 2E 2E NO 1 NO 1 | | Steelmaking process Mode d'élaboration de l'acier - Stahlherstellungsverfahren Prod. proc.: Electric arc furnace - VOD/AOD - Continuous casting Proc. fabric.: Four à arc - VOD/AOD - Coulée continue Fertigungsablauf: Elektro-Ofen - VOD/AOD - Stranggussanlage | | | | Product delivery condition Etat de livraison du produit - Lieferzustand Solution treated: Hypertrempe: 1050 C Loesungsgegl.-abgeschreckt: Forced air-water/air forcé-eau Gebläse Luft-Wasser | | | | | |
| CORROSION TEST: ASTM A262-E :OK | | | | | | | | | | | | | |
| Identification of the product Identification du produit - Identifizierung des Erzeugnisses MELTED IN BELGIUM, MADE IN BELGIUM | | | | | | | | | | | | | |
| Coil n. N.Bobine - Band Nr. 14000344 | | Heat n. N.Coulée - Schmelz Nr. 140003 | | Thickness Epaisseur - Dicke 5.00 mm | | Width Largeur - Breite 2040.00 mm | | Length Longueur - Länge | | Number of pieces Nb de pièces - Stueckzahl 1 | | Net weight Poids net - netto Gewicht 23650 KG | |
| CHEMICAL ANALYSIS - ANALYSE CHIMIQUE - CHEMISCHE ZUSAMMENSETZUNG | | | | | | | | | | | | | |
| Required - Exigé Anforderung. %mini %maxi | | C 0.030 | | Si 0.75 | | Mn 2.00 | | Ni 10.00 13.00 | | Cr 16.50 18.00 | | Mo 2.00 2.50 | |
| Cast Analysis Analyse coulée Analyse Schmelze | | 0.022 | | 0.39 | | 1.31 | | 10.02 | | 16.62 | | 2.02 | |
| | | C71 | | C72 | | C73 | | C74 | | C75 | | C76 | |
| | | C77 | | C78 | | C79 | | C80 | | C81 | | C82 | |
| | | C83 | | C84 | | C85 | | C86 | | C87 | | C88 | |
| | | C89 | | C90 | | C91 | | C92 | | C93 | | C94 | |
| | | C95 | | C96 | | C97 | | C98 | | C99 | | C100 | |
| | | C101 | | C102 | | C103 | | C104 | | C105 | | C106 | |
| | | C107 | | C108 | | C109 | | C110 | | C111 | | C112 | |
| | | C113 | | C114 | | C115 | | C116 | | C117 | | C118 | |
| | | C119 | | C120 | | C121 | | C122 | | C123 | | C124 | |
| | | C125 | | C126 | | C127 | | C128 | | C129 | | C130 | |
| | | C131 | | C132 | | C133 | | C134 | | C135 | | C136 | |
| | | C137 | | C138 | | C139 | | C140 | | C141 | | C142 | |
| | | C143 | | C144 | | C145 | | C146 | | C147 | | C148 | |
| | | C149 | | C150 | | C151 | | C152 | | C153 | | C154 | |
| | | C155 | | C156 | | C157 | | C158 | | C159 | | C160 | |
| | | C161 | | C162 | | C163 | | C164 | | C165 | | C166 | |
| | | C167 | | C168 | | C169 | | C170 | | C171 | | C172 | |
| | | C173 | | C174 | | C175 | | C176 | | C177 | | C178 | |
| | | C179 | | C180 | | C181 | | C182 | | C183 | | C184 | |
| | | C185 | | C186 | | C187 | | C188 | | C189 | | C190 | |
| | | C191 | | C192 | | C193 | | C194 | | C195 | | C196 | |
| | | C197 | | C198 | | C199 | | C200 | | C201 | | C202 | |
| | | C203 | | C204 | | C205 | | C206 | | C207 | | C208 | |
| | | C209 | | C210 | | C211 | | C212 | | C213 | | C214 | |
| | | C215 | | C216 | | C217 | | C218 | | C219 | | C220 | |
| | | C221 | | C222 | | C223 | | C224 | | C225 | | C226 | |
| | | C227 | | C228 | | C229 | | C230 | | C231 | | C232 | |
| | | C233 | | C234 | | C235 | | C236 | | C237 | | C238 | |
| | | C239 | | C240 | | C241 | | C242 | | C243 | | C244 | |
| | | C245 | | C246 | | C247 | | C248 | | C249 | | C250 | |
| | | C251 | | C252 | | C253 | | C254 | | C255 | | C256 | |
| | | C257 | | C258 | | C259 | | C260 | | C261 | | C262 | |
| | | C263 | | C264 | | C265 | | C266 | | C267 | | C268 | |
| | | C269 | | C270 | | C271 | | C272 | | C273 | | C274 | |
| | | C275 | | C276 | | C277 | | C278 | | C279 | | C280 | |
| | | C281 | | C282 | | C283 | | C284 | | C285 | | C286 | |
| | | C287 | | C288 | | C289 | | C290 | | C291 | | C292 | |
| | | C293 | | C294 | | C295 | | C296 | | C297 | | C298 | |
| | | C299 | | C300 | | C301 | | C302 | | C303 | | C304 | |
| | | C305 | | C306 | | C307 | | C308 | | C309 | | C310 | |
| | | C311 | | C312 | | C313 | | C314 | | C315 | | C316 | |
| | | C317 | | C318 | | C319 | | C320 | | C321 | | C322 | |
| | | C323 | | C324 | | C325 | | C326 | | C327 | | C328 | |
| | | C329 | | C330 | | C331 | | C332 | | C333 | | C334 | |
| | | C335 | | C336 | | C337 | | C338 | | C339 | | C340 | |
| | | C341 | | C342 | | C343 | | C344 | | C345 | | C346 | |
| | | C347 | | C348 | | C349 | | C350 | | C351 | | C352 | |
| | | C353 | | C354 | | C355 | | C356 | | C357 | | C358 | |
| | | C359 | | C360 | | C361 | | C362 | | C363 | | C364 | |
| | | C365 | | C366 | | C367 | | C368 | | C369 | | C370 | |
| | | C371 | | C372 | | C373 | | C374 | | C375 | | C376 | |
| | | C377 | | C378 | | C379 | | C380 | | C381 | | C382 | |
| | | C383 | | C384 | | C385 | | C386 | | C387 | | C388 | |
| | | C389 | | C390 | | C391 | | C392 | | C393 | | C394 | |
| | | C395 | | C396 | | C397 | | C398 | | C399 | | C400 | |
| | | C401 | | C402 | | C403 | | C404 | | C405 | | C406 | |
| | | C407 | | C408 | | C409 | | C410 | | C411 | | C412 | |
| | | C413 | | C414 | | C415 | | C416 | | C417 | | C418 | |
| | | C419 | | C420 | | C421 | | C422 | | C423 | | C424 | |
| | | C425 | | C426 | | C427 | | C428 | | C429 | | C430 | |
| | | C431 | | C432 | | C433 | | C434 | | C435 | | C436 | |
| | | C437 | | C438 | | C439 | | C440 | | C441 | | C442 | |
| | | C443 | | C444 | | C445 | | C446 | | C447 | | C448 | |
| | | C449 | | C450 | | C451 | | C452 | | C453 | | C454 | |
| | | C455 | | C456 | | C457 | | C458 | | C459 | | C460 | |
| | | C461 | | C462 | | C463 | | C464 | | C465 | | C466 | |
| | | C467 | | C468 | | C469 | | C470 | | C471 | | C472 | |
| | | C473 | | C474 | | C475 | | C476 | | C477 | | C478 | |
| | | C479 | | C480 | | C481 | | C482 | | C483 | | C484 | |
| | | C485 | | C486 | | C487 | | C488 | | C489 | | C490 | |
| | | C491 | | C492 | | C493 | | C494 | | C495 | | C496 | |
| | | C497 | | C498 | | C499 | | C500 | | C501 | | C502 | |
| | | C503 | | C504 | | C505 | | C506 | | C507 | | C508 | |
| | | C509 | | C510 | | C511 | | C512 | | C513 | | C514 | |
| | | C515 | | C516 | | C517 | | C518 | | C519 | | C520 | |
| | | C521 | | C522 | | C523 | | C524 | | C525 | | C526 | |
| | | C527 | | C528 | | C529 | | C530 | | C531 | | C532 | |
| | | C533 | | C534 | | C535 | | C536 | | C537 | | C538 | |
| | | C539 | | C540 | | C541 | | C542 | | C543 | | C544 | |
| | | C545 | | C546 | | C547 | | C548 | | C549 | | C550 | |
| | | C551 | | C552 | | C553 | | C554 | | C555 | | C556 | |
| | | C557 | | C558 | | C559 | | C560 | | C561 | | C562 | |
| | | C563 | | C564 | | C565 | | C566 | | C567 | | C568 | |
| | | C569 | | C570 | | C571 | | C572 | | C573 | | C574 | |
| | | C575 | | C576 | | C577 | | C578 | | C579 | | C580 | |
| | | C581 | | C582 | | C583 | | C584 | | C585 | | C586 | |
| | | C587 | | C588 | | C589 | | C590 | | C591 | | C592 | |
| | | C593 | | C594 | | C595 | | C596 | | C597 | | C598 | |
| | | C599 | | C600 | | C601 | | C602 | | C603 | | C604 | |
| | | C605 | | C606 | | C607 | | C608 | | C609 | | C610 | |
| | | C611 | | C612 | | C613 | | C614 | | C615 | | C616 | |
| | | C617 | | C618 | | C619 | | C620 | | C621 | | C622 | |
| | | C623 | | C624 | | C625 | | C626 | | C627 | | C628 | |
| | | C629 | | C630 | | C631 | | C632 | | C633 | | C634 | |
| | | C635 | | C636 | | C637 | | C638 | | C639 | | C640 | |
| | | C641 | | C642 | | C643 | | C644 | | C645 | | C646 | |
| | | C647 | | C648 | | C649 | | C650 | | C651 | | C652 | |
| | | C653 | | C654 | | C655 | | C656 | | C657 | | C658 | |
| | | C659 | | C660 | | C661 | | C662 | | C663 | | C664 | |
| | | C665 | | C666 | | C667 | | C668 | | C669 | | C670 | |
| | | C671 | | C672 | | C673 | | C674 | | C675 | | C676 | |
| | | C677 | | C678 | | C679 | | C680 | | C681 | | C682 | |
| | | C683 | | C684 | | C685 | | C686 | | C687 | | C688 | |
| | | C689 | | C690 | | C691 | | C692 | | C693 | | C694 | |
| | | C695 | | C696 | | C697 | | C698 | | C699 | | C700 | |
| | | C701 | | C702 | | C703 | | C704 | | C705 | | C706 | |
| | | C707 | | C708 | | C709 | | C710 | | C711 | | C712 | |
| | | C713 | | C714 | | C715 | | C716 | | C717 | | C718 | |
| | | C719 | | C720 | | C721 | | C722 | | C723 | | C724 | |
| | | C725 | | C726 | | C727 | | C728 | | C729 | | C730 | |



Certified in accordance to Pressure Equipment Directive 97/23/EC Annex I.,
Paragraph 4.3 by TÜV Anlagentechnik GmbH (Notified Body Identification No.0035)
Inspection Certificate EN10204-3.1

| SHANXI TAIGANG STAINLESS STEEL CO., LTD | | | | | MILL TEST CERTIFICATE | | | | | | | | | | | | | | |
|---|----------------|------------------------|------------------------|----------------------------------|--|------|---------------------------------------|-------|-----------|--|-------|----|--|--|---|--|--|--|--|
| No. 2 JIANCAOPING, TAIYUAN, SHANXI, P. R. CHINA TEL: +86-351-3013328 FAX: +86-351-3017816 Http://www.tisco.com.cn E_mail: tgbxg@tisco.com.cn | | | | | Certificate No. BEA120254A | | | | | | | | | | | | | | |
| | | | | | Material | | 1.4401/1.4404/316/316L | | Surface | | No. 1 | | | | | | | | |
| | | | | | Standard | | EN10088-2/ASTM A240/A240M | | | | | | | | | | | | |
| | | | | | Heat Treatment | | Solution 1050~1100 Quenching in water | | | | | | | | | | | | |
| Customer HANWHA CORP./TRADE | | | | | Contract No. BR1202HHW0002 | | | | | Date 2012/04/20 | | | | | | | | | |
| Product COIL | | | | | Melting furnace EAF+AOD K-OBM-S+VOD | | | | | Inspectors stamp  | | | | | Marking Shanxi Taigang Stainless Steel CO., LTD | | | | |
| No. | Heat No. | Coil No. | Batch No. | Quantity | Dimensions(mm) | Edge | Weight(Kg) | PE | | | | | | | | | | | |
| 1 | A1200932 | FA20301700N00 | 82996162 | 1 | 3*1500*C | slit | 2164.000 | 19950 | | | | | | | | | | | |
| 2 | A1200938 | FA20301710N00 | 82995616 | 1 | 3*1500*C | slit | 2161.500 | 19790 | | | | | | | | | | | |
| 3 | A1201022 | FA20363050K10 | 82004668 | 1 | 6*2000*C | slit | 2161.700 | 15670 | | | | | | | | | | | |
| 4 | A1201094 | FA20358000K20 | 82001742 | 1 | 6*2000*C | slit | 2161.600 | 14740 | | | | | | | | | | | |
| 5 | A1201021 | FA20356350K20 | 82997435 | 1 | 8*2000*C | slit | 2161.900 | 14240 | | | | | | | | | | | |
| Total | | | | | | | | | | | | | | | | | | | |
| Chemical Composition % | | | | | | | | | | | | | | | | | | | |
| Heat No. | C | Si | Mn | P | S | Cr | Ni | Cu | N | Mo | Ti | Nb | | | | | | | |
| A1200932 | 0.022 | 0.54 | 1.08 | 0.031 | 0.001 | 16.8 | 10.1 | 0.19 | 0.04 | 2.50 | | | | | | | | | |
| A1200938 | 0.022 | 0.43 | 1.10 | 0.035 | 0.001 | 16.5 | 10.0 | 0.22 | 0.04 | 2.07 | | | | | | | | | |
| A1201022 | 0.028 | 0.53 | 1.13 | 0.033 | 0.001 | 16.7 | 10.0 | 0.16 | 0.05 | 2.10 | | | | | | | | | |
| A1201094 | 0.016 | 0.50 | 1.13 | 0.038 | 0.001 | 16.6 | 10.2 | 0.05 | 0.03 | 2.04 | | | | | | | | | |
| A1201021 | 0.022 | 0.53 | 1.10 | 0.032 | 0.001 | 16.6 | 10.1 | 0.17 | 0.04 | 2.14 | | | | | | | | | |
| Mechanical properties (Test Temperature: At 20°C) | | | | | | | | | | | | | | | | | | | |
| Test No. | Tensile Rm MPa | Proof Stress Rp0.2 MPa | Proof Stress Rp1.0 MPa | Elongation A80 (%) A (%) A50 (%) | | | Hardness HB HRB | | | | | | | | | | | | |
| 82996162-T | 638 | 315 | 372 | | | | 58.5 | | 83.0 82.5 | | | | | | | | | | |
| 82995616-T | 617 | 285 | 318 | | | | 63.5 | | 80.0 81.0 | | | | | | | | | | |
| 82004668-T | 581 | 286 | 337 | | | | 63.0 | | 84.0 83.5 | | | | | | | | | | |
| 82001742-T | 613 | 258 | 291 | | | | 58.0 | | 81.5 81.0 | | | | | | | | | | |
| 82997435 T | 589 | 316 | 363 | | | | 55.0 | | 76.0 76.0 | | | | | | | | | | |
| Notes : | | | | | | | | | | | | | | | | | | | |
| 1. The quality management system is in conformity with ISO9001:2008 standard. | | | | | | | | | | | | | | | | | | | |
| 2. The environmental management system is in conformity with ISO14001:2004 standard. | | | | | | | | | | | | | | | | | | | |
| 3. No weld repair : Free of mercury : | | | | | | | | | | | | | | | | | | | |
| 4. Surface and dimensions control: O.K. | | | | | | | | | | | | | | | | | | | |
| 5. Intergranular corrosion test: NO CRACK. | | | | | | | | | | | | | | | | | | | |
| 6. We hereby certify that the material described above has been detected and has no radiation contamination. | | | | | | | | | | | | | | | | | | | |
| 7. According to ASME SA240, AD 2000 W2/W10 | | | | | | | | | | | | | | | | | | | |
| 8. Intergranular corrosion test according to EN 3651-2 and ASTM A262 practice E | | | | | | | | | | | | | | | | | | | |
| 9. Mill: shanxi taigang stainless steel co., ltd | | | | | | | | | | | | | | | | | | | |
| CLIENTE  | | | | | | | | | | | | | | | | | | | |
| Work Inspector:  | | | | | | | | | | | | | | | | | | | |
| Place: Taiyuan | | | | | | | | | | | | | | | | | | | |

OVER S.r.L.
MONTAGGI INDUSTRIALI
Via Matteotti, 16
24050 GRASSOBBIO (BG)

Date : 31.08.2012
Doc.N°. 64V9

INSPECTION BOOK N°. 64V9

WORKSHOP JOB N°. : 2F11

CUSTOMER : BALLESTRA S.p.A. Milano

JOB : 2F11

ORDER N°. : 121287

Item : 64V9

Description : SOLID RAW MATERIAL WEIGHING HOPP

OVER S.r.l.
F. Libretti

DESMET BALLESTRA S.p.A.
Inspector
Gatti Davide

31/8/12

OVER S.r.L.
MONTAGGI INDUSTRIALI
Via Matteotti, 16
24050 GRASSOBBIO (BG)

Date : 31.08.2012

Doc. No. : 64V9

WHITE PICKLING REPORT

(For apparatus in Stainless steel with parts in Carbon steel)

QUALITY CONTROL PLAN No. : 64V9

| | |
|--------------------|--------------------------------|
| Customer | BALLESTRA S.P.A. |
| Customer Order No. | 121287 |
| Job | 2F11 |
| Item | 64V9 |
| Description | HOPPER FOR WEIGHING BELT 64WG2 |
| Data sheet | 2F11.35.134 |
| Constructive Dwg. | 2F11.30.134 |

Il decapaggio esterno è stato eseguito in accordo alla specifica Ballestra No SB-ATI-SP002/4 utilizzando pasta decapante DECABLITZ DR5 per un' ora e risciacquando accuratamente con acqua potabile.

The external white pickling treatment has been performed, according to the Ballestra's specification No. SB-ATI-SP002/4 with paste DECABLITZ DR5 for one hour and thoroughly rinsed with water of drinking quality.

Il ciclo di verniciatura su superfici esterne è stato eseguito in accordo alla specifica Ballestra No. SB-ATI-SP002/4 utilizzando antiruggine COSMALVER TIPO BW0136


The external painting cycle has been performed, according to the Ballestra's specification No. SB-ATI-SP002/4 with antirust COSMALVER TYPE 0136


Le parti interne sono state pulite per mezzo di solvente EMULCLEAR M.

The internal parts have been cleaned by means of solvent EMULCLEAR M.


OVER S.r.L. - GRASSOBBIO (BG)

CUSTOMER INSPECTOR


BALLESTRA S.p.A.
Inspector
Gatti Davide

| | |
|--|--|
|  OVER S.r.L. MONTAGGI INDUSTRIALI Via Matteotti, 16 24050 GRASSOBBIO (BG) Workshop Job n° 2F11 N°. C0 12C63 | CERTIFICATO CONTROLLO DIMENSIONALE <i>DIMENSIONAL TEST REPORT</i> |
| | CUSTOMER : BALLESTRA S.p. A. JOB N°. 2F11 Purchase Order N°. 121287 Doc. N°. Sheet 1 of 1 Rev. 0 |

| | |
|-----------------------|--------------------------------|
| ITEM : | 64V9 |
| Description : | HOPPER FOR WEIGHING BELT 64WG2 |
| DATA SHEET N°. | 2F11.35.134 |
| Constructive Dwg. N°. | 2F11.30.134 |

SI CERTIFICA CHE L' APPARECCHIO E' STATO SOTTOPOSTO A
CONTROLLO DIMENSIONALE IN ACCORDO AI DISEGNI :

BALLESTRA S.p.A. : DATA SHEET N°. 2F11.35.134
BALLESTRA S.p.A. : COSTRUTTIVO N°. 2F11.30.134

ED ALLE SPECIFICHE RICHIAMATE SUGLI STESSI

TUTTE LE MISURAZIONI EFFETTUATE SONO CONFORMI
ALLE TOLLERANZE INDICATE A DISEGNO
ED ALLE SPECIFICHE IN ESSI RICHIAMATE.
E' STATO ESEGUITO CONTROLLO SPESSORI

WE CERTIFY THAT THE ITEM HAS BEEN CONTROLLED
DIMENSIONALLY ACCORDING TO DRAWINGS :

BALLESTRA S.p.A. : DATA SHEET N°. 2F11.35.134
BALLESTRA S.p.A. : CONSTRUCTIVE N°. 2F11.30.134

AND TO THE SPECIFICATIONS NOTED IN
THE ABOVE MENTIONED DRAWINGS.

ALL THE MEASUREMENTS PERFORMED RESULT WITHIN
DRAWINGS TOLERANCES
AND TO THE SPECIFICATIONS NOTED IN
THE ABOVE MENTIONED DRAWINGS.
THICKNESS CHECK HAS BEEN PERFORMED

BALLESTRA S.p.A.
Inspector
Calisto De W
7/9/12

RISULTATO / Result : SODDISFACENTE / Satisfactory

| | | | | | | | |
|------|-------------|------------|----------------|------|--------------|------|-------------|
| 1 | F. Libretti | | | | | | |
| 0 | OVER Srl | 31.08.2012 | | | | | |
| Rev. | Issued by | Date | Checked by | Date | Approved by | Date | Description |
| REV. | Emesso da | Data | Controllato da | Data | Approvato da | Data | Descrizione |

| | |
|--|---|
| OVER S.r.L. Via Matteotti,16 Tel. 035 -525256 Fax 035 - 526467 | CERTIFICATO DI CONFORMITA' CERTIFICATE OF COMPLIANCE |
| | CUSTOMER : BALLESTRA S.p.A. JOB N°. 2F11 Purchase Order N°. : 121287 |
| Workshop Job N° 2F11 N°.: CO 12C63 | |

| | | |
|------------------------|--------------------------------|-------------|
| ITEM : | 64V9 | |
| Description : | HOPPER FOR WEIGHING BELT 62WG2 | |
| DATA SHEET N°. | | 2F11.35.134 |
| Constructive Dwg. N°. | 2F11.30.134 | |
| QUALITY CONTROL PLAN : | | |

SI CERTIFICA CHE IL MATERIALE RISULTA CONFORME
A QUANTO RICHIESTO DAI DISEGNI,
DALL' ORDINE ED ALLE SPECIFICHE IN ESSI RICHIAMATI.

WE HEREBY CERTIFY THAT THE MATERIAL IS IN COMPLETELY
ACCORDANCE WITH THE DRAWINGS,
THE ORDER AND THE SPECIFICATIONS NOTED IN ABOVE
MENTIONED DOCUMENTS.

OFF. OVER S.R.L. GRASSOBBIO (BG)

BALLESTRA S.p.A.
7/9/12

| | | | | | | | |
|------|-------------|------------|----------------|------|--------------|------|-------------|
| 1 | F. Libretti | | | | | | |
| 0 | OVER | 31.08.2012 | | | | | |
| Rev. | Issued by | Date | Checked by | Date | Approved by | Date | Description |
| REV. | Emesso da | Data | Controllato da | Data | Approvato da | Data | Descrizione |

**CERTIFICATO DI COLLAUDO
SECONDO EN 10204 - 3.1**

FERRAMENTA INDUSTRIALE BONACINA SRL
V.LE EUROPA 2G
24048 CURNASCO DI TREVIOLO BG IT

Certificato n. 2921
Fattura N.
DDT N. 3118
Ns. Ord. N.
Del 10.11.2007
Del 07.11.2007

Questo documento certifica che i raccordi sottocritici sono fabbricati in accordo con l'ultima normativa applicabile: ASME/ANSI MSS-SP
I risultati delle analisi chimiche e prove meccaniche sono una copia conforme all'originale dei certificati emessi dal produttore e/o fornitore

| COD. COL. | COLATA | POS. | VS. ORDINE | Q.TA' | DESCRIZIONE | DIM. IN ACC. A | VISIVO E DIMENS. | | | | | | | | | | | | |
|-----------|---------|------|--------------------|---------|------------------------------------|----------------|------------------|--------------|-------------|------------|--------------|------------------------|---------|--------------------|-------|-----------------------|-----------------------|-----------------------|-----------------------|
| P852 | 200961 | 012 | FAX | 2 | 304/304L TEE 3 SCH 40S W | VEDI NOTE | SODDISFACENTE | | | | | | | | | | | | |
| | 761044 | 013 | FAX | 1 | 304/304L R.C. 6X4 40S S | VEDI NOTE | SODDISFACENTE | | | | | | | | | | | | |
| | 72475 | 014 | FAX | 2 | A105N MANICOTTI 1/4 3000 NPT | VEDI NOTE | SODDISFACENTE | | | | | | | | | | | | |
| | 72476 | 015 | FAX | 30 | A105N 1/2 MANIC. 3/4 3000 NPT | VEDI NOTE | SODDISFACENTE | | | | | | | | | | | | |
| | 74307 | 016 | FAX | 20 | A105N 1/2 MANIC. 1/4 3000 NPT | VEDI NOTE | SODDISFACENTE | | | | | | | | | | | | |
| | 73847 | 017 | FAX | 20 | A105N 1/2 MANIC. 1/2 3000NPT | VEDI NOTE | SODDISFACENTE | | | | | | | | | | | | |
| | 3P852CH | 018 | FAX | 2 | WPB CAPS 12 SCH.XS | VEDI NOTE | SODDISFACENTE | | | | | | | | | | | | |
| | Z536 | 019 | FAX | 4 | WPB CAPS 12 SCH STD | VEDI NOTE | SODDISFACENTE | | | | | | | | | | | | |
| | A70 | 020 | FAX | 34 | A105N GOMITI 90 1 3000 SW SA105M | VEDI NOTE | SODDISFACENTE | | | | | | | | | | | | |
| | N58 | 021 | FAX | 35 | A105N TAPPI M.T.E. 1/2" SA105M | VEDI NOTE | SODDISFACENTE | | | | | | | | | | | | |
| | 74524 | 022 | FAX | 12 | A105N GOMITI 90 1/2 3000 SW SA105M | VEDI NOTE | SODDISFACENTE | | | | | | | | | | | | |
| | 40801 | 023 | FAX | 6 | A105N TEE 1/2 3000 SW SA105M | VEDI NOTE | SODDISFACENTE | | | | | | | | | | | | |
| COD. COL. | COLATA | POS. | MATERIALE | C% | S% | Mn% | S% | P% | Cr% | Ni% | Mo% | Ti% | Cu% | V% | Nb% | N% | Al% | C.E. % | ALTRI ELEMENTI |
| P852 | 200961 | 012 | SA/A403 WP304/304L | 0,012 | 0,580 | 1,460 | 0,001 | 0,024 | 18,170 | 8,260 | 0,000 | 0,000 | 0,000 | 0,000 | 0,000 | 0,000 | 0,000 | 0,000 | 0,000 |
| | 761044 | 013 | SA/A403 WP304/304L | 0,016 | 0,380 | 1,560 | 0,006 | 0,028 | 18,390 | 10,200 | 0,000 | 0,000 | 0,000 | 0,000 | 0,000 | 0,000 | 0,000 | 0,000 | 0,000 |
| | 72475 | 014 | SA/A105N | 0,210 | 0,220 | 0,890 | 0,026 | 0,015 | 0,100 | 0,050 | 0,010 | 0,000 | 0,170 | 0,001 | 0,001 | 0,000 | 0,012 | 0,395 | 0,395 |
| | 72476 | 015 | SA/A105N | 0,180 | 0,180 | 0,900 | 0,019 | 0,012 | 0,100 | 0,050 | 0,010 | 0,005 | 0,160 | 0,001 | 0,001 | 0,000 | 0,019 | 0,366 | 0,366 |
| | 74307 | 016 | SA/A105N | 0,210 | 0,280 | 0,870 | 0,014 | 0,015 | 0,110 | 0,090 | 0,010 | 0,000 | 0,220 | 0,000 | 0,000 | 0,000 | 0,000 | 0,399 | 0,399 |
| | 73847 | 017 | SA/A105N | 0,195 | 20,000 | 0,940 | 0,025 | 0,014 | 0,090 | 0,050 | 0,010 | 0,000 | 0,160 | 0,002 | 0,000 | 0,000 | 0,000 | 0,296 | 0,296 |
| | 3P852CH | 018 | SA/A234 WPB | 0,160 | 0,210 | 0,760 | 0,006 | 0,020 | 0,040 | 0,020 | 0,000 | 0,000 | 0,010 | 0,001 | 0,001 | 0,000 | 0,000 | 0,302 | 0,302 |
| | Z536 | 019 | SA/A105N | 0,190 | 0,190 | 0,790 | 0,008 | 0,019 | 0,030 | 0,030 | 0,010 | 0,000 | 0,010 | 0,000 | 0,001 | 0,000 | 0,000 | 0,409 | 0,409 |
| | A70 | 020 | SA/A105N | 0,200 | 0,270 | 0,930 | 0,026 | 0,023 | 0,100 | 0,050 | 0,010 | 0,005 | 0,170 | 0,002 | 0,001 | 0,000 | 0,010 | 0,394 | 0,394 |
| | N58 | 021 | SA/A105N | 0,210 | 0,240 | 0,910 | 0,019 | 0,018 | 0,090 | 0,040 | 0,010 | 0,005 | 0,150 | 0,002 | 0,001 | 0,000 | 0,020 | 0,395 | 0,395 |
| | 74524 | 022 | SA/A105N | 0,186 | 0,300 | 0,872 | 0,005 | 0,012 | 0,196 | 0,392 | 0,010 | 0,000 | 0,073 | 0,001 | 0,002 | 0,000 | 0,000 | 0,403 | 0,403 |
| | 40801 | 023 | SA/A105N | | | | | | | | | | | | | | | | |
| COD. COL. | COLATA | POS. | TRATT. TERM. | FORMING | SML | SVENAMENTO | ROTATURA | ALLUNGAMENTO | CONTRAZIONE | DUREZZA HB | TIPO 10x10mm | RESILIENZA - JOULE/cm2 | TA CHEN | ERNE FITTINGS GMBH | IML | IML INDUSTRIA MECC... | IML INDUSTRIA MECC... | IML INDUSTRIA MECC... | IML INDUSTRIA MECC... |
| P852 | 200961 | 012 | 6 | COLD | W | 240,0 | 604,0 | 57,0 | 0,0 | 146 | KV | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 761044 | 013 | 6 | COLD | W | 267,0 | 565,0 | 49,0 | 0,0 | 144 - 150 | KV | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 72475 | 014 | 3 | COLD | SMLS | 301,0 | 526,0 | 36,0 | 49,0 | 158 - 166 | KV | -10 | 65 | 64 | 63 | 63 | 63 | 63 | 63 |
| | 72476 | 015 | 3 | COLD | SMLS | 304,0 | 536,0 | 31,0 | 54,0 | 160 - 166 | KV | 20 | 105 | 100 | 104 | 104 | 104 | 104 | 104 |
| | 74307 | 016 | 3 | HOT | SMLS | 329,0 | 532,0 | 26,0 | 55,0 | 154 | KV | -10 | 56 | 58 | 54 | 54 | 54 | 54 | 54 |
| | 73847 | 017 | 3 | HOT | SMLS | 328,0 | 531,0 | 26,0 | 60,0 | 168 | KV | -10 | 88 | 85 | 80 | 80 | 80 | 80 | 80 |
| | 3P852CH | 018 | 3 | COLD | SMLS | 306,0 | 476,0 | 26,0 | 0,0 | 142 | KV | 0 | 52 | 56 | 58 | 58 | 58 | 58 | 58 |
| | Z536 | 019 | 2 | COLD | SMLS | 372,0 | 485,0 | 26,0 | 0,0 | 130 | KV | -5 | 59 | 68 | 70 | 70 | 70 | 70 | 70 |
| | A70 | 020 | 3 | HOT | SMLS | 305,0 | 536,0 | 31,0 | 56,0 | 162 | KV | -10 | 64 | 55 | 53 | 53 | 53 | 53 | 53 |
| | N58 | 021 | 3 | HOT | SMLS | 336,0 | 549,0 | 34,0 | 57,0 | 166 | KV | -10 | 96 | 90 | 94 | 94 | 94 | 94 | 94 |
| | 74524 | 022 | 3 | HOT | SMLS | 301,0 | 524,0 | 33,0 | 54,0 | 158 - 162 | KV | -10 | 69 | 71 | 75 | 75 | 75 | 75 | 75 |
| | 40801 | 023 | 3 | HOT | SMLS | 390,0 | 550,0 | 30,0 | 65,0 | 161 - 168 | KV | -10 | 69 | 66 | 69 | 69 | 69 | 69 | 69 |

UFFICIO CONTROLLO QUALITA' ENTE UFFICIALE DI COLLAUDO COLLAUDO ESTERNO

1=Prodotto a caldo tra 600-900° 2=Tratt. di distensione 3=Normalizzato 4=Normalizzato e rinvenuto
5=Temprato e rinvenuto 6=Solubilizzato 7=Vedi descrizione

QUALITY CONTROL DEF

over



首钢

“首钢”牌产品质量证明书

GB/T 10

QUALITY CERTIFICATE OF "SHOUGANG" BRAND

首钢集团地址：中国北京市石景山区
ADD. OF SHOUGANG GROUP: SHIJINGSHAN DISTRICT, BEIJING, CHINA
邮政编码 POST CODE: 100041
电话 TEL.: (010) 88291699
传真 FAX: (010) 88291699
电邮 E-mail: sgsteel@shougang.com.cn
制造厂地址：中国河北省迁安市
ADD. OF MANUFACTURER: QIANAN CITY, Hebei Prov. China

制造厂：首钢集团：河北省首钢迁安钢铁有限责任公司
MANUFACTURER: SHOUGANG GROUP: SHOUGANG QIANAN IRON & STEEL CO., LTD., HEBEI

打捆单位：中国首钢国际贸易工程公司CHINA SHOUGANG INTERNATIONAL

收货单位：中国外运河北唐山分公司SINOTRANSHEBITANSHANCO., LTD

产品名称：碳素结构钢 Carbon structural steel

标准：Q/SG265 321-2007

| | | | |
|-----------------------------|------------------------------|--------------------------|---------------|
| 合同编号 Contract No. | 000032257-80 / GJ20100822049 | 许可证编号 License No. | |
| 交货状态 Condition of Supply | AR | 证明书编号 Certificate No. | 0B1008220012 |
| 交货日期 Date of Delivery | 2010-08-22 | 表号 Record No. | SG-01-QS-01.A |
| 牌号 Steel Grade | S235JR | 页号 Page No. | 共 1 页, 第 1 页 |

| 批号 Batch No. | 炉号 Heat No. | 钢卷号 Coil No. | 尺寸 Size (mm) | | | 重量 Wt. ton | 屈服强度 Rel. N/mm ² | 抗拉强度 Rm N/mm ² | 伸长率 A % | 冲击吸收能量 Impact Absorbed Energy J | | 时效冲击 Aks 20 °C | 弯曲 BT | Z向断面收缩率 Z % | 探伤 UT |
|---------------------------|----------------|-----------------|----------------------|-------------|--------------|------------------|-----------------------------------|---------------------------------|---------------|--|----------|----------------------|----------|-------------------|----------|
| | | | 厚度 Thick- ness | 宽度 Width | 长度 Length | | | | | 温度 20 °C | 温度 20 °C | | | | |
| 1030481211010 | 10304812 | 1030481211010 | 10 | 1500 | 1 | 23.24 | 270 | 500 | 68 | 36.0 | 138 | 172 | | | |
| 以下空白 | Here | Below Empty | | | | | | | | | | | | | |
| 总计 Total | | | 1 | | | 28.24 | | | | | | | | | |
| 化学成分 Chemical composition | | | % | | | | | | | | | | | | |
| Batch No. | C | Si | Mn | P | S | Alt | Als | V | Nb | Ti | Ni | Cr | Mo | Ceq | 其他 |
| 1030481211010 | 15 | 01 | 1 | 01 | 01 | 03.12 | 0336 | 001 | 001 | 001 | 005 | 019 | 012 | 001 | 22 |
| 以下空白 | Here | Below Empty | | | | | | | | | | | | | |

CO. PRESID.

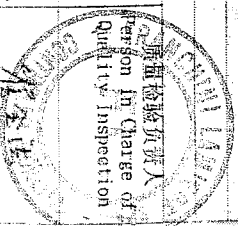
备注 Remarks:
冲击试样尺寸: 7.5mm x 10mm x 55mm
Dimension for impact test specimens

EC Certificate of Conformity No.: 0038/CPD/MIM/0210059/1
According to EN10204 3.1 (2004)
Tolerance according to EN 10051 (1992+AI:1997)

1. 本产品经检验符合标准规定。
We hereby certify that materials described herein has been tested with satisfactory results in accordance with the requirements of the above mentioned specification.
2. 未注明项目均不视为交货条件。
3. 盖章后生效。

审核 Check

王继军



MS N. V. P. R. C. O. A
41553 X

CERTIFICATO DI CONTROLLO 3.1 / INSPECTION CERTIFICATE 3.1 - EN 10204:2004

| | |
|---|--|
| <div style="display: flex; align-items: center;"> <div> <p>METINVEST®</p> <p>Metinvest Tramelmetal spa</p> </div> </div> | <p>(A) PROCESSO DI ELABORAZIONE / STEELMAKING PROCESS: E = ELECTRIC ; BO = BASIC OXYGEN (B) STATO DI FORNITURA / DELIVERY CONDITION: AR = GREZZO DI LAMINAZIONE / AS ROLLED ; N* = LAMINAZIONE A TEMPERATURA CONTROLLATA / NORMALIZING ROLLING ; N = NORMALIZZATO / NORMALIZED at 910°C, 1,5 min/mm ; ARIA CALMA / STILL AIR; R = RICOTTO / ANNEALED; N+R = NORMALIZZATO + RINVENUTO / NORMALIZED + ANNEALED (C) TRATTAMENTO TERMICO DEL CAMPIONE / HEAT TREATMENT OF SAMPLE: N = 910°C, 1,5 min/mm ; ARIA CALMA / STILL AIR R = 650°C, 1,5 min/mm ; ARIA CALMA / STILL AIR (D) Ceq1 = C + Mn/6 ; Ceq2 = C + Mn/6 + (Cr + Mo + V)/5 + (Ni + Cu)/15 ; Pcm = C + Si/30 + (Mn + Cu + Cr)/20 + Ni/50 + Mo/15 + V/10 + B*/5 (1) POSIZIONE / LOCATION: 1 = TESTA / TOP ; 2 = PIEDE / BOTTOM (2) POSIZIONE / LOCATION: C = CUORE / 1/2 THICKNESS ; P = PELLE / SURFACE ; D = 1/4 SPESSORE / THICKNESS (3) DIREZIONE / DIRECTION: L = LONGITUDINALE / LONGITUDINAL ; T = TRASVERSALE / TRANSVERSE (4) FORMA DEL PROVINO / SHAPE OF TEST PIECE: P = PRISMATICO / PRISMATIC ; C = CILINDRICO / CYLINDRICAL (5) ESITO PROVA DI PIEGA / RESULT: OK = COMPLYING ; NO = NOT COMPLYING</p> |
| <p>A02 N° Certificato / Certificate no. 246024</p> <p>A03 N° Ordine Tramelmetal / Works order 31105141</p> <p>DDT del / date 31124409 26/10/2011</p> <p>Pratica / File no. del / date</p> | <p>202 Data / Date 27/10/2011</p> <p>A07 N° Ordine cliente / Customer's order MAIL</p> |
| <p>A06 Cliente / Customer FRANCHINI LAMIERE SPA VIA 4 NOVEMBRE 32 25010 SAN ZENO NAVIGLIO</p> | |
| <p>B01/B02/B03 Prodotto / Product: Lamiere / Hot rolled plates Qualità / Steel grade: S355J2+N Normativa / Specification: EN10025-2:04</p> | |
| <p>B06 Marcatura di prodotto / Marking of the product LAMIERA/ORDINE/N° INFORMAMENTO/DIMENSIONI/QUALITÀ/MARCHIO DEL PRODUTTORE PLATE/ORDER/INTERNAL N°/DIMENSIONS/STEEL GRADE/MANUFACTURER'S MARK</p> | |

| B07 | B07 | B09/B11 | B12 | B07 | C70 | B04 | C00 | B05 | C00 | B05 PWHT | C00 | B05 Q+T | C00 | B05 Q+T |
|------|------------------|-------------------------------|------------------|--|--------------------|---|--------------------|---------------------------------------|-------------------------|--|--|--|--------------------------------|-----------------------------------|
| ITEM | LAMIERA PLATE | N° INFORM. INTERNAL NUMBER | DIMENSIONI [mm] | PESO TEORICO [t] THEORETICAL WEIGHT | LOTTO BATCH NO. | STATO FORNITURA LAMIERA (B) DELIVERY CONDITION PROCESS ELAB. (A) STEELMAKING PROCESS | CAMPIONE SAMPLE | TRATT. CAMPIONE (C) HEAT TREATMENT | CAMPIONE PWHT SAMPLE | TEMPERATURA INIZIO °C BEGINNING TEMPERATURE | TEMPERATURA FINE °C END TEMPERATURE | VELOCITÀ RAFFREDDAMENTO °C/h COOLING RATE | PERMANENZA MIN HOLDING TIME | TEMPERATURA (Q) °C TEMPERATURE |
| 5 | PTI8262423A | 879707 | 15.00X2450X12000 | 3,46 | 301923 | BO N* | [Z1145] | | 2 | | | | | |
| 5 | PTI8262423B | 879707 | 15.00X2450X12000 | 3,46 | 301923 | BO N* | [Z1145] | | 1 | | | | | |
| 6 | 1TI9380204A | 879233 | 20.00X2450X12000 | 4,62 | 304557 | BO N* | Z1602 | | 4 | | | | | |
| 6 | 1TI9390604A | 879229 | 20.00X2450X12000 | 4,62 | 304522 | BO N* | [Z1588] | | 3 | | | | | |
| 7 | 1TI3680601A | 879238 | 25.00X2450X12000 | 5,77 | 304515 | BO N* | Z1582 | | 5 | | | | | |
| 7 | 1TI3680603A | 879241 | 25.00X2450X12000 | 5,77 | 304515 | BO N* | [Z1582] | | 0 | | | | | |

| C71/C92 COMPOSIZIONE CHIMICA DI COLATA / HEAT CHEMICAL ANALYSIS | | | | | | | | | | | | | | | | | | | | | |
|---|------|------|------|-------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|--------|--------|--------|--------|-------|-------|-------|
| B07 | C71 | C72 | C73 | C74 | C75 | C76 | C77 | C78 | C79 | C80 | C81 | C82 | C83 | C84 | C85 | C86 | C87 | C88 | C89 | C90 | C91 |
| COLATA HEAT | C | Mn | Si | P | S | Cu | Ni | Cr | Mo | Al | V | Nb | Ti | Sn | Ca | N | B | H | Ceq1 | Ceq2 | Pcm |
| | % | % | % | % | % | % | % | % | % | % | % | % | % | % | % | % | % | % | % (D) | % (D) | % (D) |
| S355J2+N Min 0.00 - 30.00 | | | | | | | | | | | | | | | | | | | | | |
| S355J2+N Max 0.00 - 30.00 | 0,20 | 1,60 | 0,55 | 0,025 | 0,025 | 0,550 | | | | | | | | | | | | | 0,45 | | |
| | | | | | | | | | | | | | | | | | | | | | |
| 1TI368 | 0,18 | 1,53 | 0,04 | 0,014 | 0,007 | 0,030 | 0,030 | 0,040 | 0,00 | 0,036 | 0,000 | 0,000 | 0,000 | 0,000 | 0,0000 | 0,0070 | 0,0000 | 0,0005 | 0,44 | 0,45 | 0,26 |
| 1TI938 | 0,16 | 1,52 | 0,26 | 0,010 | 0,006 | 0,050 | 0,030 | 0,030 | 0,00 | 0,032 | 0,000 | 0,000 | 0,000 | 0,000 | 0,0000 | 0,0050 | 0,0000 | 0,0005 | 0,41 | 0,42 | 0,25 |
| 1TI939 | 0,15 | 1,48 | 0,24 | 0,009 | 0,006 | 0,050 | 0,030 | 0,030 | 0,00 | 0,032 | 0,000 | 0,000 | 0,000 | 0,000 | 0,0000 | 0,0050 | 0,0000 | 0,0006 | 0,40 | 0,41 | 0,24 |
| PTI826 | 0,16 | 1,50 | 0,25 | 0,011 | 0,000 | 0,050 | 0,020 | 0,040 | 0,00 | 0,042 | 0,000 | 0,000 | 0,000 | 0,000 | 0,0000 | 0,0056 | 0,0000 | 0,0004 | 0,41 | 0,42 | 0,25 |


| PROVA DI TRAZIONE TENSILE TEST | | | | | | | | | | PROVA DI RESILIENZA IMPACT TEST - CHARPY V-NOTCH TEST | | | | | PROVA DI PIEGA BEND TEST | | | | PROVA DI DUREZZA HARDNESS TEST | | | | PROVA DI STRIZIONE Z% TEST | | | | | | | |
|-----------------------------------|------------------------------------|---------------------------|---------------------------|---------------------------------|--------------------------------------|-----------------------------|------------------------------|--------|------------------|---|--|-------------------------|---------------------------------|--------------------------------------|-----------------------------|---------------------------|------------------------------|-------------------------------------|-----------------------------------|--------------------------|--------------------------|-------------------------------|-------------------------------|----------------------|---------------------------|-------------|-------------------------------------|--------------------------|--|----------------------------------|
| C00 | | C01 | C01 | C02 | C03 | C11 | C12 | | C13 | C14 | C10 | C41 | C02 | C03 | C01 | C42 | | C43 | C02 | C51 | C52 | C50 | C01 | C30 | C31 | | C32 | C53 | C54 | |
| CAMPIONE SAMPLE | SPESORE LAMIERA PLATE THICKNESS | POSIZIONE (1) LOCATION | POSIZIONE (2) LOCATION | DIREZIONE ORIENTATION (3) | TEMPERATURA [°C] TEST TEMPERATURE | REH [Mpa] YIELD STRENGTH | Rm [Mpa] TENSILE STRENGTH | REH/Rm | A% ELONGATION | PROOF STRENGTH Rp 0.2 [Mpa] | FORMA PROVINO (4) SHAPE OF TEST PIECE | LARGHEZZA [mm] WIDTH | DIREZIONE ORIENTATION (3) | TEST TEMPERATURE TEMPERATURA [°C] | INDIVIDUAL VALUES [J] | POSIZIONE (2) LOCATION | SINGOLI VALORI MEAN VALUE | SINGOLI VALORI INDIVIDUAL VALUES | INDIVIDUAL VALUES [J] | INDIVIDUAL VALUES [J] | MEAN VALUE MEAN VALUE | MANDRINO [mm] MANDREL [mm] | ANGOLO [°] ANGLE | ESTITO (5) RESULT | POSIZIONE (2) LOCATION | TEST METHOD | SINGOLI VALORI INDIVIDUAL VALUES | MEAN VALUE MEAN VALUE | Z% SINGOLI VALORI Z% INDIVIDUAL VALUES | Z% VALORE MEDIO Z% MEAN VALUE |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S355J2+N Min 0.00 - 16.00 | | | | | 20 | 355 | 470 | 0,00 | 22,0 | | | | | | | | | | | | | | | | | | | | | |

| | | PROVA DI TRAZIONE TENSILE TEST | | | | | | | | PROVA DI RESILIENZA IMPACT TEST - CHARPY V-NOTCH TEST | | | | | | | | PROVA DI PIEGA BEND TEST | | | | | PROVA DI DUREZZA HARDNESS TEST | | | | PROVA DI STRIZIONE Z% TEST | |
|--|-------|------------------------------------|-----------------------|---------------|---------------------------------|--------------------------------------|-----------------------------|------------------------------|--------|---|--------------------------------|--|---------------------------------|--------------------------|---------------------------|--------------------------|-------------------------|---------------------------------|--------------------------|---------------------|---------------------|---------------------------|-----------------------------------|-------------------------------------|---------------------|----------------------------------|-------------------------------|--|
| C00 | | C01 | C01 | C02 | C03 | C11 | C12 | C13 | C14 | C10 | C41 | C02 | C03 | C01 | C42 | C43 | C02 | C51 | C52 | C50 | C01 | C30 | C31 | C32 | C53 | C54 | | |
| CAMPIONE SAMPLE | | SPESORE LAMIERA PLATE THICKNESS | POSIZIONE LOCATION | POSIZIONE (2) | DIREZIONE ORIENTATION (3) | TEMPERATURA [°C] TEST TEMPERATURE | REh [Mpa] YIELD STRENGTH | Rm [Mpa] TENSILE STRENGTH | ReH/Rm | ELONGATION A% | Rp 0.2 [Mpa] PROOF STRENGTH | FORMA PROVINO (4) SHAPE OF TEST PIECE | DIREZIONE ORIENTATION (3) | TEST TEMPERATURE [°C] | POSIZIONE (2) LOCATION | INDIVIDUAL VALUES [2] | MEDIA [1] MEAN VALUE | DIREZIONE ORIENTATION (3) | MANDRINO [mm] MANDREL | ANGOLO [°] ANGLE | ESITO (5) RESULT | POSIZIONE (2) LOCATION | METODO TEST METHOD | SINGOLI VALORI INDIVIDUAL VALUES | MEDIA MEAN VALUE | 2% VALORE MEDIO 2% MEAN VALUE | | |
| S355J2+N Max 0.00 - 16.00 | | | | | | 20 | 0 | 630 | 0,00 | 0,0 | | | | | | | | | | | | | | | | | | |
| S355J2+N Min 0.00 - 999.00 | | | | | | | | | | | | | | L | -20 | | 27 | 0 | | | | | | | | | | |
| S355J2+N Min 16.10 - 40.00 | | | | | | 20 | 345 | 470 | 0,00 | 22,0 | | | | | | | | | | | | | | | | | | |
| S355J2+N Max 16.10 - 40.00 | | | | | | 20 | 0 | 630 | 0,00 | 0,0 | | | | | | | | | | | | | | | | | | |
| ZI145 | 12,00 | 2 | P | T | 20 | 389 | 523 | 0,74 | 36,0 | | P | 10,00 | L | -20 | P | 124 127 110 | 120 | | | | | | | | | | | |
| ZI582 | 25,00 | 2 | P | T | 20 | 402 | 557 | 0,72 | 31,4 | | P | 10,00 | L | -20 | P | 52 43 100 | 65 | | | | | | | | | | | |
| ZI588 | 25,00 | 2 | P | T | 20 | 375 | 532 | 0,70 | 32,5 | | P | 10,00 | L | -20 | P | 152 167 73 | 131 | | | | | | | | | | | |
| ZI602 | 20,00 | 2 | P | T | 20 | 382 | 522 | 0,73 | 34,0 | | P | 10,00 | L | -20 | P | 169 191 51 | 137 | | | | | | | | | | | |
| C10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UNI EN ISO 6892-1:2009 / UNI EN ISO 148-1:2011 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

UNI EN ISO 6892-1:2009 / UNI EN ISO 148-1:2011

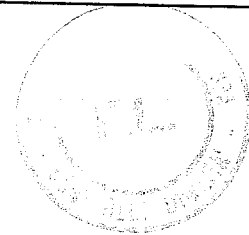
| ITEM | TOLLERANZA DI SPESSORE TOLERANCE ON THICKNESS | TOLLERANZE DI LARGHEZZA TOLERANCE ON WIDTH | TOLLERANZE DI LUNGHEZZA TOLERANCE ON LENGTH | CONDIZIONI SUPERFICIALI SURFACE FINISH | PLANARITÀ FLATNESS |
|------|--|--|---|--|-----------------------|
| 5 | EN 10029 CLA | -0+100 MM | -0+100 MM | EN 10163/2 CL A1 | EN 10029 CL. N |
| 6 | EN 10029 CLA | -0+100 MM | -0+100 MM | EN 10163/2 CL A1 | EN 10029 CL. N |
| 7 | EN 10029 CLA | -0+100 MM | -0+100 MM | EN 10163/2 CL A1 | EN 10029 CL. N |

CERTIFICHIAMO che le lamiere elencate sono conformi alla prescrizione dell'ordine, che i controlli della marcatura, dell'aspetto superficiale e dimensionale hanno dato esito positivo.
WE CERTIFY that the above mentioned plates are consistent with the order prescriptions: marking, inspection and measurement without objection.

| | |
|--|--|
|  | Lamiere conformi ai requisiti della marcatura CE. Certificato di conformità CE n° 0969-CPD-002/06-AC Rev.02 emesso dal Servizio Tecnico Centrale del Consiglio Superiore dei Lavori Pubblici in data 15/09/2011. Plates in compliance with CE marking requirements. Certificate of conformity N° 0969-CPD-002/06-AC Rev.02 from "Servizio Tecnico Centrale del Consiglio Superiore dei Lavori Pubblici" on 15/09/2011. |
|--|--|

| | | |
|-----|--|---|
| Z06 | Z03 ENTE COLLAUDO / INSPECTION BODY | Z02 |
| Z07 | TIMBRO DELL'ISPETTORE STAMP OF THE INSPECTION REPRESENTATIVE | METINVEST TRAMETAL S.p.A. M. Carrara CQ Resp.le |

| | | |
|-------------------------|-------------------------|-------------------------|
| NS. AL. AL. AL. AL. AL. | NS. AL. AL. AL. AL. AL. | NS. AL. AL. AL. AL. AL. |
| 1 112663 | 3 112665 | 5 112667 |
| 4 112664 | 6 112666 | 6 112668 |



FRANCHINI LAMIERE SPA
COPIA CONFORME ALL'ORIGINALE

CLIENTE *Over Sm*

ORDINE N°

COMMESSA N°
QUANTITÀ E FORMATO COME DA

NS. B.A.M.

8/2/11
01/12/11

Acciaieria Arvedi S.p.A.

Sede Legale:
Via Donizetti, 20
20122 Milano

Sede Amministrativa e Stabilimenti:
Via Acquaviva, 18
26100 Cremona - Italia
Tel. +39 0372 4781
Fax +39 0372 478259

Via Alberto da Giussano, 11
20011 Corbetta - MI
Tel. +39 02 972351

Cap.Soc. 30.000.000 EUR i.v.
Società interamente controllata
da Finarvedi S.p.A.

Part. IVA IT 11852670154
Cod.fisc. 00910070192
Reg.Imp.MI 00910070192
REA MI 1497770

e-mail vendite@ast.arvedi.it
www.arvedi.it

Acciaieria Arvedi**Certificato di collaudo**

Spett.le **FRANCHINI LAMIERE S.P.A.**
VIA IV NOVEMBRE

25010 SAN ZENO NAVIGLIO

BS

Numero 2012/ 895 data 13/01/2012 EN 10204 3.1

| | | | |
|----------------------|----------------------------|---------------|--------|
| Rif. conferma ordine | 2011 / A / 23160 / 10 | Vostro ordine | 11-139 |
| Prodotto fornitore | Coil NERO 1500x4,00 S235JR | Marca acciaio | S235JR |
| spess. | 4 | larg. | 1500 |
| norma | UNI EN 10025-2 | | |

Prove meccaniche e tecnologiche

| Prova | Rm N/mm2 | AI% | Re N/mm2 |
|---------|----------|-----|----------|
| minimo | 360, | 24, | 235, |
| massimo | 510, | | |

| lotto | colata | qtà | spedizione | valori | | | | | |
|------------|--------|-----------|-----------------------------|----------|-------|-----|------|----------|-------|
| -722012103 | 220121 | TON 24,78 | 2012/VE/34001237/ 900001 | Rm N/mm2 | 376,4 | AI% | 35,2 | Re N/mm2 | 307,4 |

Analisi chimica

| elemento | C | Mn | Si | P | S | Cr | Ni | Mo | Cu | Sn | Al | Ceq |
|----------|------|-----|------|-------|-------|----|----|----|------|----|----|------|
| minimo | | | | | | | | | | | | |
| massimo | 0,17 | 1,4 | 0,03 | 0,035 | 0,035 | | | | 0,55 | | | 0,37 |

| colata | valori | | | | | | | | | | | |
|--------|--------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 220121 | C | Mn | Si | P | S | Cr | Ni | Mo | Cu | Sn | Al | Ceq |
| | 0,0424 | 0,1985 | 0,015 | 0,0055 | 0,0021 | 0,0741 | 0,0912 | 0,0215 | 0,2461 | 0,0093 | 0,0295 | 0,1172 |

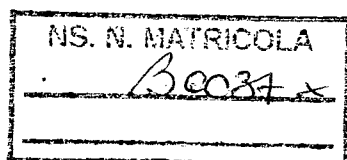
Note

Certifichiamo che:

- 1- L'acciaio usato è elaborato al forno elettrico (E) e ha grado di disossidazione FF
- 2- I prodotti sopra elencati sono conformi alle specifiche dell'ordine
- 3- Il controllo della marcatura, dell'identificazione, dell'aspetto della superficie, della forma e delle caratteristiche dimensionali è soddisfacente.
- 4- Nelle prove di trazione sono state usate solo provette prismatiche.



Firma



FRANCHINI LAMIERE SpA
COPIA CONFORME ALL'ORIGINALE
CLIENTE
ORDINE N°
COMMESSA N°
QUANTITA' E FORMATI COME DA
Ns B.A.M.
13/1/2012

[Handwritten signature]



INSPECTION CERTIFICATE

N°10204-3-TIDIN 50049-3.1.B/ISO 10474

A02

N°730/0363461

Page 1 / FIN

ArcelorMittal

USINE DE FOS
13776 - FOS SUR MER CEDEX
FRANCE
Tél:04.42.47.33.14 Fax:04.42.47.24.27Siège du producteur /
Mills Identification
T Re-326 MINI MPA Re-380-510 MPA AX/6.66 1-24 MINI
KV L = 2049C 18 J MINIMUND 27 J MINIMUND(5) Conformité cahier charges / According specifications
B01 : B01 de l'essai / As rolled
B02 : B02 de l'essai / Normalization rolling
B03 : B03 de l'essai / Normalization rolling
B04 : B04 de l'essai / Normalization rolling
B05 : B05 de l'essai / Normalization rolling
B06 : B06 de l'essai / Normalization rolling
B07 : B07 de l'essai / Normalization rolling
B08 : B08 de l'essai / Normalization rolling
B09 : B09 de l'essai / Normalization rolling
B10 : B10 de l'essai / Normalization rolling
B11 : B11 de l'essai / Normalization rolling
B12 : B12 de l'essai / Normalization rolling
B13 : B13 de l'essai / Normalization rolling
B14 : B14 de l'essai / Normalization rolling
B15 : B15 de l'essai / Normalization rolling
B16 : B16 de l'essai / Normalization rolling
B17 : B17 de l'essai / Normalization rolling
B18 : B18 de l'essai / Normalization rolling
B19 : B19 de l'essai / Normalization rolling
B20 : B20 de l'essai / Normalization rolling
B21 : B21 de l'essai / Normalization rolling
B22 : B22 de l'essai / Normalization rolling
B23 : B23 de l'essai / Normalization rolling
B24 : B24 de l'essai / Normalization rolling
B25 : B25 de l'essai / Normalization rolling
B26 : B26 de l'essai / Normalization rolling
B27 : B27 de l'essai / Normalization rolling
B28 : B28 de l'essai / Normalization rolling
B29 : B29 de l'essai / Normalization rolling
B30 : B30 de l'essai / Normalization rolling
B31 : B31 de l'essai / Normalization rolling
B32 : B32 de l'essai / Normalization rolling
B33 : B33 de l'essai / Normalization rolling
B34 : B34 de l'essai / Normalization rolling
B35 : B35 de l'essai / Normalization rolling
B36 : B36 de l'essai / Normalization rolling
B37 : B37 de l'essai / Normalization rolling
B38 : B38 de l'essai / Normalization rolling
B39 : B39 de l'essai / Normalization rolling
B40 : B40 de l'essai / Normalization rolling
B41 : B41 de l'essai / Normalization rolling
B42 : B42 de l'essai / Normalization rolling
B43 : B43 de l'essai / Normalization rolling
B44 : B44 de l'essai / Normalization rolling
B45 : B45 de l'essai / Normalization rolling
B46 : B46 de l'essai / Normalization rolling
B47 : B47 de l'essai / Normalization rolling
B48 : B48 de l'essai / Normalization rolling
B49 : B49 de l'essai / Normalization rolling
B50 : B50 de l'essai / Normalization rolling
B51 : B51 de l'essai / Normalization rolling
B52 : B52 de l'essai / Normalization rolling
B53 : B53 de l'essai / Normalization rolling
B54 : B54 de l'essai / Normalization rolling
B55 : B55 de l'essai / Normalization rolling
B56 : B56 de l'essai / Normalization rolling
B57 : B57 de l'essai / Normalization rolling
B58 : B58 de l'essai / Normalization rolling
B59 : B59 de l'essai / Normalization rolling
B60 : B60 de l'essai / Normalization rolling
B61 : B61 de l'essai / Normalization rolling
B62 : B62 de l'essai / Normalization rolling
B63 : B63 de l'essai / Normalization rolling
B64 : B64 de l'essai / Normalization rolling
B65 : B65 de l'essai / Normalization rolling
B66 : B66 de l'essai / Normalization rolling
B67 : B67 de l'essai / Normalization rolling
B68 : B68 de l'essai / Normalization rolling
B69 : B69 de l'essai / Normalization rolling
B70 : B70 de l'essai / Normalization rolling
B71 : B71 de l'essai / Normalization rolling
B72 : B72 de l'essai / Normalization rolling
B73 : B73 de l'essai / Normalization rolling
B74 : B74 de l'essai / Normalization rolling
B75 : B75 de l'essai / Normalization rolling
B76 : B76 de l'essai / Normalization rolling
B77 : B77 de l'essai / Normalization rolling
B78 : B78 de l'essai / Normalization rolling
B79 : B79 de l'essai / Normalization rolling
B80 : B80 de l'essai / Normalization rolling
B81 : B81 de l'essai / Normalization rolling
B82 : B82 de l'essai / Normalization rolling
B83 : B83 de l'essai / Normalization rolling
B84 : B84 de l'essai / Normalization rolling
B85 : B85 de l'essai / Normalization rolling
B86 : B86 de l'essai / Normalization rolling
B87 : B87 de l'essai / Normalization rolling
B88 : B88 de l'essai / Normalization rolling
B89 : B89 de l'essai / Normalization rolling
B90 : B90 de l'essai / Normalization rolling
B91 : B91 de l'essai / Normalization rolling
B92 : B92 de l'essai / Normalization rolling
B93 : B93 de l'essai / Normalization rolling
B94 : B94 de l'essai / Normalization rolling
B95 : B95 de l'essai / Normalization rolling
B96 : B96 de l'essai / Normalization rolling
B97 : B97 de l'essai / Normalization rolling
B98 : B98 de l'essai / Normalization rolling
B99 : B99 de l'essai / Normalization rolling
B00 : B00 de l'essai / Normalization rolling

FOS

Organisme et/ou
service de contrôle
Inspection organism
FRANCHINI LAMIERE SPA
VIA IV NOVEMBRE 32
I-28010 SAN ZENO NAVIGLIO ITALIAN° Commande
Customer/Client
12-022N° Commande Usine
Mills Order Nbr
FH2B001002 000001Nuances et spécifications techniques / Grade and technical specifications
S235JR-CL1 EN10025
HOT ROLLED COIL, AS ROLLEDEtat de livraison
Delivery
B01
B02
B03
B04
B05
B06
B07
B08
B09
B10
B11
B12
B13
B14
B15
B16
B17
B18
B19
B20
B21
B22
B23
B24
B25
B26
B27
B28
B29
B30
B31
B32
B33
B34
B35
B36
B37
B38
B39
B40
B41
B42
B43
B44
B45
B46
B47
B48
B49
B50
B51
B52
B53
B54
B55
B56
B57
B58
B59
B60
B61
B62
B63
B64
B65
B66
B67
B68
B69
B70
B71
B72
B73
B74
B75
B76
B77
B78
B79
B80
B81
B82
B83
B84
B85
B86
B87
B88
B89
B90
B91
B92
B93
B94
B95
B96
B97
B98
B99
B00

| Identification du produit Product Identification | | | | Poste Item | Dimensions Sizes | | | Traction / Tensile requirements | | | | Resilience / Impact testing | | | | | | | | | | | | | | |
|---|-----------------|------|---|------------------------|---------------------|--------------------|---|---------------------------------|----------|------|------------|-----------------------------|----|----|-----|---------|---------|------------|------------|------|----------|-------|--------------|--|--|--------------------|
| Repère pièce Part number | Couleur Heat | Item | Recherche en pièces Number of pieces | Epaisseur Thickness | Largeur Width | Longueur Length | Em- pla- ce | Loc (2) | S (3) | Type | Réf (B) | Temp. | Rm | A% | C13 | C14-C23 | C60-C69 | Loc (2) | Réf (3) | Type | S (3) | Temp. | Pos. Z(4) | Valeurs individuelles Individual values | | Moyenne Average |
| B08 | B07 | B08 | B10 | B11 | B12 | B13 | | | | | | | | | | | | | | | | | | | | |
| 5122024 | 730213237 | 001 | 1 | 6,000 | 2000,00 | 17405 | | | | | | | | | | | | | | | | | | | | |
| 5122024BX | 730213237 | 001 | 1 | 6,000 | 2000,00 | 24785 | | | | | | | | | | | | | | | | | | | | |
| 5247040 | 730221094 | 001 | 1 | 6,000 | 2000,00 | 24985 | | | | | | | | | | | | | | | | | | | | |
| 5122029 | 730221171 | 001 | 1 | 6,000 | 2000,00 | 28825 | | | | | | | | | | | | | | | | | | | | |
| 5143017 | 730221171 | 001 | 1 | 6,000 | 2000,00 | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | FRANCHINI LAMIERE SPA COPIA CONFORT ALL'ORIGINALE CLIENTE ORDINE N° QUANTITA' E FORMATI COME DA NS B.A.M. 99/03/04 | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | CMA S.p.A. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |

ARCELORMITTAL MEDITERRANEE
13776 FOS SUR MER CEDEX

ArceforMittel

Document de contrôle basé sur un contrôle spécifique
Inspection document based on specific control
EN 10204



| | | | | | |
|---|---|--|--|--|---|
| Service de contrôle Inspection Organisme Département Qualité Quality department | Client Customers FRANCHINI LAMIERE SPA VIA IV NOVEMBRE 32 I-25010 SAN ZENO NAVIGLIO ITALIE | N° commande Client Customer's order Nr | N° commande Usine Mill's order Nr FH2B001002 | Spécification Technique Technical specification S235JR-CL1 EN10025 | |
| Identification du produit Product identification | Organisme de certification Notified body 0333 | Numéro de certificat Certificat number 0333-CPD-138002 | | Année / Year 12 | |
| Repère pièce Part Number | Coulée Heat | Poste Item | EN 10025-1 Produit en acier de construction laminé à chaud Usages prévus: Construction de bâtiments ou génie civil Tolérances sur les dimensions et la forme. Produit suivant EN 10051 | | EN 10025-1 Hot rolled structural steel products. Intended uses: building constructions or civil Tolerances on dimensions and shape: Conform to EN 10051 |
| 5122029 5247040 5143017 5122024BX | 730221171 730221094 730221171 730213237 | 000001 000001 000001 000001 | Elongation Résistance à la traction Limite d'élasticité Résistance au choc Soudabilité Acier S235JR-CL1 EN10025 | | Elongation Tensile strength Yield strength Impact strength Weldability Steel S235JR-CL1 EN10025 |
| Durabilité: Aucune performance déterminée Substance réglementée: Aucune performance déterminée | | | Durability: No performance determined Regulated substance: No performance determined | | |

