

|   |   |   |
|---|---|---|
|  | <b>CERTIFICAT DE CONFORMITE</b><br><b>AUX STIPULATIONS D'UNE COMMANDE</b><br><b>CERTIFICATE OF CONFORMITY</b><br><b>TO THE STIPULATIONS OF AN ORDER</b> | <b>N° DE CERTIFICAT:</b><br><b>2021-003</b> |
| <b>ZA des Potiers</b><br><b>Route de Gisors</b><br><b>60000 GOINCOURT</b>         | <b>Tel: 03.44.15.12.00</b><br><b>Fax: 03.44.15.00.88</b><br><b>Eladis@wanadoo.fr</b>  | <b>Page 1/1</b>                             |

**Client : AQSEPTENCE GROUP**

**Numéro de la commande ou du marché : 4500304535**

Renseignements particuliers aux fournitures livrées, notamment la référence des dérogations accordées / *Information particular to the suppliers delivered* : NEANT

| Référence<br>Type        | Description du matériel<br>Description   | Quantité<br>Quantity | Numéro de lot<br>Batch number | Autres<br>renseignements<br>Other information |
|--------------------------|--|----------------------|-------------------------------|---|
| Code Eladis :<br>ML00353 | Joint JSL DN150<br>Ø 168 x tore 6mm  | 250p                 | 5817/061020                   |   |
| Code client :<br>601792  | En EPDM "SUNAFLEX"<br>T8165 toutes<br>homologations eau potable<br>en cours de validité, selon<br>dossier technique en votre<br>possession, EN 681-1, ACS,<br>BS 6920, KTW D1-D2,<br>W-270, B5014, NSF (USA) |                      |                               |   |
|                          |  |                      |                               |   |

**Numéro et date du bordereau de livraison : 7705 du 16/02/2021**

**Number and date of delivery note**

Nous certifions que, sauf exceptions ou dérogations énumérées ci-dessus, la fourniture citée a été fabriquée conformément aux spécifications techniques du marché, commande ou sous commande du client et que toutes les opérations de contrôle et d'essais ont été effectuées. Elle répond SOUS TOUS LES ASPECTS aux spécifications particulières d'AQSEPTENCE GROUP, aux plans ainsi qu'aux normes et règlements en vigueur s'y rapportant.

*We certify that, subject to exceptions or concessions listed above, the supplies detailed here were manufactured in accordance with the technical specifications of the contract, order or sub-order and that, all inspection, operations and tests having been completed, the supplies comply IN EVERY RESPECT with the relevant particular specifications, drawings and relevant standards and regulations in force.*

**CONTROLE FOURNISSEUR**  
**SUPPLIER'S INSPECTION**

Nom et fonction : Claudine HANNICQ / ADV

Date : 16/02/2021 /

Signature :

OA: 4500 304535 / Stock  
 ELADIS  
 601792  
 AQSEPTENCE GROUP

## CERTIFICAT DE CONFORMITE 3.1 N° 9743 - 4 INSPECTION CERTIFICATE 3.1

Client / Customer **RAPIC**

N° de commande / Customer n°

**209418**

**A2316 L Ecran: 190221**

N° de bon de livraison / Shipping

**9743**

Quantité / Weigh

**110,9 kg**

Qualité du fil / Wire quality

**Fil Inox 316 L**

Norme de référence EN 10088-1/3

Diamètre / Diameter

**2 mm**

Coulée n° / Heat n°

**914011**

Résistance état de livraison / Tensile strenght after traitement

**1562/1591 N/MM²**

### Analyse chimique / Chemical analysis

|    |               |   |
|----|---------------|---|
| C  | <b>0,019</b>  | % |
| Mn | <b>0,661</b>  | % |
| Si | <b>0,528</b>  | % |
| S  | <b>0,0007</b> | % |
| P  | <b>0,0262</b> | % |
| Cr | <b>16,727</b> | % |
| Ni | <b>11,119</b> | % |
| Mo | <b>2,187</b>  | % |
| N  | <b>0,024</b>  | % |

N/Réf.: P/O: **L500304536** ISOLKI  
FOURN: SUPPLIER **RAPIC**  
**01 MAR 2021**  
PLAN: DWG  
ITEM:

**ISOLC ISL DN 150**  
**ARTICLE: 601793**

Nous certifions, suivant la norme EN10204 3.1, que la fourniture citée a été fabriquée conformément aux spécifications du contrat et que, après vérifications et essais, elle répond sous tous ses aspects aux normes applicables sauf exceptions, réserves ou dérogations. Produit fabriqué dans le respect du règlement REACH.

We certify that the mentioned product (EN10204 3.1) is consistent with the order prescriptions and that, after checks and tests in all respects the specifications, except reservations, exeptions or derogation. Material manufactured in the REACH regulation respect.

Bobigny, le 15/02/2021

Le responsable Qualité / Quality department

Isabelle VIDAL





RESSORTS ET ARTICLES EN FIL  
ZAE LABAURIE  
24800 EYZERAC

**RAPIC**  
ARTICLES FORMÉS

N° Siret **30200413000035**  
N.A.F. **2593Z**  
N° intracommunautaire **FR04302004130**

Tél. **+33 5 53 55 10 22**  
Fax **+33 5 53 62 09 09**  
email **contact@rapic.com**  
Site WEB **www.rapic.com**



AQSEPTENCE GROUP SAS  
ZONE INDUSTRIELLE

86530 AVAILLES EN CHATELLERAULT

## Déclaration de conformité Statement of conformity (NF L00-015)

N° commande : **4500304536**  
Order nb  
Date commande : 12/02/2021  
Order date

Lot de fabrication 0000035824-0  
Batch nb

Désignation : Traction 2 316L ext7 lg 610  
Product description  
Numéro plan : **TR2X7X610-316L**  
Drawing nb

Ref client : 601793  
Customer ref  
Réf Rapic : TRA2 7 610 001  
Rapic ref

Quantité : 250.00  
Quantity

**Différences théoriques recalculées par rapport à vos spécifications, constatées et signalées à la commande :**  
**Revised specifications and discrepancies necessary to fulfill both drawing and production requirements**  
Rien à signaler

Observation  
Remarks

**BORDEREAU DE LIVRAISON N°** 136643  
**DELIVERY ORDER NB**

cde soldée  
order settled

cde partielle  
partial delivery

Nous déclarons que la fourniture citée est conforme aux exigences du contrat et que, après vérifications et essais, elle répond en tout point, aux exigences spécifiées, aux normes et règlements applicables, sauf exceptions, réserves ou dérogations énumérées dans la présente déclaration de conformité.

We hereby declare, barring exceptions, reservations or exemptions listed in this statement of conformity that the listed supplies comply with the contract requirements and that after completion of testing and verification, they completely satisfy all specified requirements, and applicable standards and regulations.

rayez la mention inutile / cross off as appropriate

**CONTROLE FOURNISSEUR**  
**SUPPLIER CONTROL**


Date : 25/02/2021


Nom :  
Name

Signature





|   |                                     |  |  |  |  |  |
|---|-------------------------------------|--|--|--|--|--|
| Usine productrice/Hersteller/Manufacturer 5<br>Ugitech Tréfilerie Brionne<br>Petite rue Volais<br>27800 Brionne<br>France   |                                     | INSPECTION CERTIFICATE 3.1<br>CERTIFICAT DE RECEPTION 3.1<br>ABNAHMEPRUEFZEUGNIS 3.1<br>-----<br>EN 10204 / 3.1  |  |  |  |  |
| Certificat / Zeugnis / Certificate 4<br>84299223 000010   |                                     | Ordre de fab. / Auftrag / Prod. Order 11-1<br>10461508   | N° coulée / Schmelzen Nr / Heat N° 11-2<br>108077                                      | N° lot MM / Chargen / Batch 11-3<br>10461508                 |  |  |
| Certification - Werkzeugnis - Certificate 99<br>ISO 9001<br>ISO 14001   |                                     | 98   | 98-2   | 97   |  |  |
|   |                                     |  |  | 96   |  |  |
| 805101 Simple triangle UGI F4307 Work hardened Gloss degreased 1000 blue reel cent-to cent70 Nom article client : 325T Customer reference drawing : 9/1/20 Customer specification No : 94051 Specification issue No : AA Specification revision date : 04/11/2020 4,3   |                                     |  |  |  |  |  |
| Produit Triangle allégé UGI F4307 Ecouli Brillant dégraissé Touret bleu 1000 entraxe 70mm Nom article client<br>Erzeugnisform einfaches Dreieck UGI F4307 Kaltverfestigt blank entfettet Grossspule 1000 blau Abstand 7 Nom article<br>Product Simple triangle UGI F4307 Work hardened Gloss degreased 1000 blue reel cent-to cent70 Nom article cli  |                                     |  |  |  |  |  |
| Clt et/ou destin.-Besteller u/o Empfänger-Purchaser a/o Consigner 9<br>30758 AQSEPTENCE GROUP SAS   |                                     | N° cde client - Kundenbestellnummer - Purchase order number 10<br>4500310747 PROJET ST   |  | Cde SAP-SAP Kundenbestellung-SAP sales ord. 20<br>1016081 10 |  |  |
| Norme de référence / Besugsnorm / Standard for reference 12-2<br>EN 10088-1/3 ED2014 1.4307   |                                     |  | Fiche info qualité   |  |  |  |
| Profil client / Kunde Profile / Customer Shape 16<br>325T   |                                     |  | Numéro article client 17<br>502660 * 325T/304L   |  |  |  |
| Spécification client / Kundenspezifikation / Customer's specification 12-3<br>94051 94051 AA 04/11/2020   |                                     |  |  |  |  |  |
| Nombre 18<br>Stueckzahl<br>Pieces Nbr<br>2  | Profil 19<br>Profile<br>Shape<br>TA | Dimension 21-1<br>Ausmessung<br>Dimension<br>4,380 x 3,250 MM  | Longueur 21-2<br>Laenge<br>Length  | Poids 22<br>Gewicht<br>Weigh<br>2073 KG                      |  |  |
| Free of radioactivity contamination 23  |                                     | Demandé 42<br>% C % SI % MN % NI % CR % S % P % N<br>Vorschrift Min 8,0000 17,5000<br>Required Max 0,0300 1,0000 2,0000 10,5000 19,5000 0,0300 0,0450 0,1000<br>Coulée/Schmelzen/Heat 0,0190 0,4060 1,1200 9,2780 18,1300 0,0027 0,0276 0,0270 |  |  |  |  |
| Demandé<br>Vorschrift Min<br>Required Max<br>Coulée/Schmelzen/Heat  |                                     |  |  |  |  |  |
| Demandé<br>Vorschrift Min<br>Required Max<br>Coulée/Schmelzen/Heat  |                                     |  |  |  |  |  |
| We declare that the mentioned product is in compliance with the requirements of the contract and that, after checks and tests, it meets in all respects the specified requirements and applicable standards and regulations, except reservations or exceptions as listed in this declaration of conformity (NF L 00-015 C); Document validated by electronic signature. Material manufactured in the REACH regulation respect. 66-1 |                                     |  | Brionne le 22.04.2021 63<br>L'agent Réceptionnaire de l'usine<br>Der Werksachverständi |  |  |  |
| We declare that the mentioned product is in compliance with the requirements of the contract and that, after checks and tests, it meets in all respects the specified requirements and applicable standards and regulations, except reservations or exceptions as listed in this declaration of conformity ; Document validated by electronic signature. Material manufactured in the REACH regulation respect. 66-2                |                                     |  | The work inspector<br>040001483468 f   |  |  |  |

|   |   |   |   |  |   |
|---|---|---|---|--|---|
| Usine productrice/Hersteller/Manufacturer<br>Ugitech Tréfilerie Brionne<br>Petite rue Volais<br>27800 Brionne<br>France | 5 | INSPECTION CERTIFICATE 3.1<br>CERTIFICAT DE RECEPTION 3.1<br>ABNAHMEPRUEFZEUGNIS 3.1<br>-----<br>EN 10204 / 3.1 |   | 3  | 1<br> |
| Certificat / Zeugnis / Certificate<br>84299223 000010   | 4 | Ordre de fab. / Auftrag / Prod. Order 11-1<br>10461508  | N° coulée / Schmelzen Nr / Heat N° 11-2<br>108077 | N° lot MM / Chargen / Batch 11-3<br>10461508 |   |

**Etat de livraison / Auslieferungszustand / Delivery state**

|      | Poids d'1 metre<br>Gewicht für 1 Meter<br>Weight for 1 meter<br>g/m | Section<br>Sektion<br>Area (cut)<br>mm2 | Rm<br>Zugfestigkeit<br>Tensile strength<br>MPa |
|------|---|---|--|
| min  | 48,5  |   | 1000   |
| max  | 55,9  | 7,07                                    | 1500   |
| 0001 |   |   | 1341   |
|      | 52,3  | 6,62                                    |  |

N/Réf.: P/O: 4513107471 stock  
FOURN: SUPPLIER UBITECH  
26 AVR. 2021  
PLAN: DWG  
ITEM:

PROFIL 325T  
INOX 304L  
502660

We declare that the mentioned product is in compliance with the requirements of the contract and that, after checks and tests, it meets in all respects the specified requirements and applicable standards and regulations, except reservations or exceptions as listed in this declaration of conformity (NF L 00-015 C); Document validated by electronic signature. Material manufactured in the REACH regulation respect.

66-1

Brionne le 22.04.2021  
L'agent Réceptionnaire de l'usine  
Der Werksachver

63

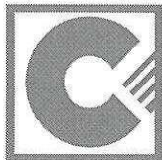
We declare that the mentioned product is in compliance with the requirements of the contract and that, after checks and tests, it meets in all respects the specified requirements and applicable standards and regulations, except reservations or exceptions as listed in this declaration of conformity ; Document validated by electronic signature. Material manufactured in the REACH regulation respect.

66-2

The work inspec

04000148346



**PIATTINE E PROFILI INOX SRL**

Via L. Zerbi, 67  
20023 CERRO MAGGIORE (MI) - Italy  
Tel : +039 (0) 331535911  
Fax : +039 (0) 331535677  
E\_mail : Info@ppinox.it

**7****INSPECTION CERTIFICATE**

UNI EN 10204 3.1  
ISO 10474 3.1

Certificate no. **00086380/546642**Date: **13/05/2021**

|   |                               |  |   |                                     |                                |
|---|-------------------------------|--|---|-------------------------------------|--------------------------------|
| <b>Customer</b><br>C20342 - AQSEPTENCE GROUP S.A.S.                                       |                               | <b>order confirmation no.</b><br>ORDCL21001053 | <b>Date</b><br>20/04/21   | <b>your order no.</b><br>4500311979 | <b>Date</b><br>20/04/21        |
| <b>Item</b><br>PS304LTT0365LS9 - fil rond en touret A.304L Ø 3,65mm<br>Your Item : 503510 |                               |  | <b>Grade and Requirements</b><br>UNI EN 10088-3:2014 1.4307 2H spec. N° 94051 |                                     | <b>Heat no.</b><br>YX2008-1602 |
| <b>Sizes</b>  | thickness/diameter mm<br>3,65 | width mm<br>0,00                               | length mm<br>0,00   | Finish                              |                                |
| <b>Intergranular Corrosion Test</b><br>according to EN ISO 3651-2 A: OK                   |                               |  |   |                                     |                                |

**Chemical Composition %**

|   | C      | Si     | Mn     | P      | S      | Cr      | Ni     | N      |
|---|--------|--------|--------|--------|--------|---------|--------|--------|
| % | 0,0220 | 0,3000 | 0,6100 | 0,0320 | 0,0020 | 18,3000 | 8,0800 | 0,0360 |

**Mechanical properties**

|    |     |        |
|----|-----|--------|
| Rm | MPa | 822,00 |
|----|-----|--------|

**Other Requirements and Notes****Remarks:**

- Chemical values , at delivery condition , are quoted by the relevant steel work certificate
- Visual and dimensional test satisfactory
- Delivery item conforms to order requirements

**Piattine e Profili Inox Srl****Authorized inspector**

N/Réf.: P/O: 451311979 1 stock  
FOURN: SUPPLIER PIATTINE  
17 MAI 2021  
PLAN: DWG SP 9406L  
ITEM:

PROFIL 3650 INOX 304L  
5035 LD

Nuance : 304/304L TUBE ME  
Coulee : 321180 lot :  
Commande : BL :353723 Poste:06  
Client : AQSEPTENCE GROUPE SAS  
CDE 4500263044 DU 22.01



8

thyssenkrupp

(A01) Salzgitter Mannesmann Stainless Tubes France SAS  
(A05) B.P.10 - F 21501 Montbard Cedex - FRANCE  
[www.mannesmann-stainless-tubes.com](http://www.mannesmann-stainless-tubes.com)



**MANNESMANN**  
**STAINLESS TUBES**

A Member of the Salzgitter Group

**INSPECTION CERTIFICATE**  
Abnahmeprüfzeugnis  
Certificat de Réception

(A02) EN 10204 2004 TYPE 3.1

(A03) No. / Nr. / N°

3-20-00108-rev.01

Pag. 1 / 5

(A06) Purchaser / Besteller / Acheteur

THYSSENKRUPP MATERIALS FRANCE

ZA PARIWEST AVE GUTENBERG

78311 MAUREPAS CEDEX

Yvelines

France

(A07) Customer Order No / Kundenauftragsnr. / N° Commande Client

01/07/0301

(A08) SMST-Tubes Order No / Auftragsnr. / N° Commande SMST

0000281744

SMST-Item

(A09) Part No / Teilenummer / Part number

0000281744-000020

(B01) (B02) (B04) Product Description / Produkt Beschreibung / Description du Produit

Seamless Stainless Steel Hot Finished Tubes Annealed Free From Scale Plain Ends Square Cut Deburred  
Rohre warmgefertigt nahtlos rostfreier Stahl geüht zunderfrei glatte Enden rechtwinklig gesägt entgratet  
Tubes sans soudure Acier inoxydable Fini à chaud Traité Exempt de calamine Extrémités lisses coupées d'équerre

Specifications / Spezifikationen / Spécifications

A312M CHEM MECH TEST ONLY 18 a,ASTM A 511M 16.CTS 96010 HB MC,EN 10088-1 2014,EN 10216-5 CHEM MECH TEST ONLY 12.2013 TC1,EN 10294-2 08.2012,EN 10297-2 2006,HYDRO 70 BARS GUARANTEE,SA312M CHEM MECH TEST ONLY 17, ANSI/NACE MR0103/ISO 17945 2016, ANSI/NACE MR0175/ISO 15156-3 2015

Grade / Werkstoff / Nuance

1.4301 VALIMA;1.4306 VALIMA;MT 304 VALIMA;MT 304L VALIMA;TP 304 VALIMA;TP 304L VALIMA;DMV 304LMC

Tolerances / Toleranzen / Tolérances

STD OD-0+2%\_ID+0-2%\_MIN 1MM Eccentricity 10% max

(B03) Supplementary Requirements / Zusatzanforderungen / Exigences Supplémentaires

None / Keine / Aucune

(B06 - D01) Marking of the Product / Kennzeichnung des Produkts / Marquage du Produit

Technical marking

MANNESMANN MST-F - TP 304L / TP 304 / MT 304L / MT 304 / 1.4306 / 1.4301  
X 160,00 - HEAT \$HEAT\_NBR\$ - \$INDIV\_LENGTH\_MMS MM - SQUAL LOT\_N  
\$ORDER\_ID\$ -

Local Stamping

IU

Country of Origin of the tubes / Herstellungsland der Rohre / Pays d'origine des tubes

France / Frankreich / France

| Quantity / Menge / Quantité         |  |            |                                    |                                     |                                      | Dimensions / Abmessung / Dimensions |             |  |          |
|-------------------------------------|--|------------|------------------------------------|-------------------------------------|--------------------------------------|-------------------------------------|-------------|--|----------|
| (B07)<br>Heat<br>Schmelze<br>Coulée | Quality Lot<br>Qualitätslos<br>Lot Qualité | SMST-Item  | (B08)<br>Pieces<br>Stück<br>Pièces | (B13)<br>Weight<br>Gewicht<br>Poids | (B16)<br>Length<br>Länge<br>Longueur | (B09)<br>OD                         | (B14)<br>ID | (B11)<br>Ordered Length<br>Auftragslänge<br>Longueur commandée |          |
|                                     |  |            |                                    |                                     |                                      |                                     |             | min  | max      |
| 321180                              | QL30143061                                 | 000020     | 1                                  | 521.00 kg                           | 5.334 m                              | 200.00 mm                           | 160.00 mm   | 3000 mm  | 6000 mm  |
|                                     |  |            |                                    | 1148.61 lbs                         | 17.50 ft                             | 7.874"                              | 6.299"      | 9.84 ft  | 19.69 ft |
|                                     |  |            | 1                                  | 621.00 kg                           | 6.334 m                              |                                     |             |  |          |
|                                     |  |            | 1                                  | 1148.61 lbs                         | 17.50 ft                             |                                     |             |  |          |
| Heat                                | QLot ID                                    | Father QL  | pcs                                | Weight kg                           | Length m                             | Father PHU                          |             | PHU  |          |
| 321180                              | QL30143061                                 | QL30142013 | 1                                  | 521.00 kg                           | 5.334 m                              | 30196185001                         |             | 30198000000  |          |

N/Réf.: P/O: 4500263044 / stock

FOURN: SUPPLIER THYSSEN

30 JAN. 2020

PLAN: DWG  
ITEM:

Ebauche 200x L60  
CARLINEE IN 304/304L

ARTICLE: 0000217565

Salzgitter Mannesmann Stainless Tubes France SAS ISO9001 - LRQA N° 926478

Tél : 01.30.69.67.00  
Fax : 01.30.50.93.46  
Web: [www.thyssenfrance.com](http://www.thyssenfrance.com)

Siret 562 068 155 00026  
N° TVA FR30562068155  
Code NAF 515 C



Nuance : 304/304L TUBE ME  
Coulee : 321180 lot :  
Commande : BL :353723 Poste:06  
Client : AQSEPTENCE GROUPE SAS  
CDE 4500263044 DU 22.01

(A01) Salzgitter Mannesmann Stainless Tubes France SAS  
(A05) B.P. 10 - F 21501 Montbard Cedex - FRANCE

[www.mannesmann-stainless-tubes.com](http://www.mannesmann-stainless-tubes.com)



**MANNESMANN**  
**STAINLESS TUBES**

A Member of the Salzgitter Group

**INSPECTION CERTIFICATE**  
**Abnahmeprüfzeugnis**  
**Certificat de Réception**

(A02) EN 10204 2004 TYPE 3.1

(A03) No. / Nr. / N°

3-20-00108-rev.01

Pag. 2 / 5

### Heat Analysis / Schmelzanalyse / Analyse de Coulée

|                                     |  | Request   | C     | Co    | Si   | Mn   | P     | S      | Cr   | Ni   | N    |
|-------------------------------------|--|---|-------|-------|------|------|-------|--------|------|------|------|
|                                     |  | Min   | 0.00  | 0.00  | 0.00 | 0.00 | 0.00  | 0.0150 | 18.0 | 10.0 | 0.00 |
|                                     |  | Max   | 0.030 | 99.00 | 1.0  | 2.0  | 0.040 | 0.0300 | 19.0 | 10.5 | 0.10 |
| (B07)<br>Heat<br>Schmelze<br>Coulée | Heat Origin<br>Ursprung der<br>Schmelze<br>Origine de la<br>Coulée | (C70)<br>Melting<br>Process<br>Erschmelzung<br>sart<br>Procédé<br>d'élaboration | %     | %     | %    | %    | %     | %      | %    | %    | %    |
| 321180                              | Germany  | EAF + VOD   | 0.011 | 0.07  | 0.40 | 1.45 | 0.022 | 0.0260 | 18.4 | 10.3 | 0.07 |

### Product Analysis / Produktanalyse / Analyse sur Produit

ASME SA 312M;EN 10297-2;EN 10294-2;EN 10216-5;EN 10088-1;ASTM A 511M;A312M CHEMISTRY MECH TEST

|            |  | Request         | C     | Si   | Mn   | P     | S      | Cr   | Ni    | N    |
|------------|--|-----------------|-------|------|------|-------|--------|------|-------|------|
|            |  | Min             | 0.00  | 0.00 | 0.00 | 0.00  | 0.0150 | 18.0 | 9.9   | 0.00 |
|            |  | Max             | 0.035 | 1.0  | 2.0  | 0.040 | 0.0300 | 19.2 | 10.65 | 0.11 |
|            | Quality Lot<br>Qualitätslos<br>Lot Qualité | (C00)<br>Sample | %     | %    | %    | %     | %      | %    | %     | %    |
|            |  | 39003005        | 0.012 | 0.40 | 1.46 | 0.022 | 0.0262 | 18.3 | 10.28 | 0.07 |
| QL30143061 |  | 39003006        | 0.013 | 0.40 | 1.46 | 0.023 | 0.0268 | 18.3 | 10.29 | 0.07 |

Sampling done on tubes in manufacturing length / Beprobung erfolgte an Rohren in Herstelllänge / Echantillonnage réalisé par longueur de fabrication

### Tensile Test at Room Temperature / Zugversuch bei Raumtemperatur / Essai de traction à température ambiante

EN ISO 6892-1;EN 10002-1;ASTM A 370

(C02) Direction: LONGITUDINAL

|  |                 | (C11)   | (C11) | (C12) | (C13) | (C13)   |
|--|-----------------|---------|-------|-------|-------|---------|
|  |                 | YS 0.2% | YS 1% | U T S | EL    | EL      |
|  |                 | Rp 0.2% | Rp 1% | Rm    | 50mm  | 5.65VSo |
| Request                                    | Min             | 210     | 230   | 515   | 35.0  | 40.0    |
|  | Max             |         |       | 680   |       |         |
| Quality Lot<br>Qualitätslos<br>Lot Qualité | (C00)<br>Sample | MPa     | MPa   | MPa   | %     | %       |
| QL30143061                                 | 39003005        | 298     | 340   | 600   | 48.9  | 48.9    |

Sampling done on tubes in manufacturing length / Beprobung erfolgte an Rohren in Herstelllänge / Echantillonnage réalisé par longueur de fabrication

Nuance : 304/304L TUBE ME  
 Coulee : 321180 lot :  
 Commande : BL :353723 Poste:06  
 Client : AQSEPTENCE GROUPE SAS  
 CDE 4500263044 DU 22.01

(A01) Salzgitter Mannesmann Stainless Tubes France SAS  
 (A05) B.P. 10 - F 21501 Montbard Cedex - FRANCE  
[www.mannesmann-stainless-tubes.com](http://www.mannesmann-stainless-tubes.com)



**INSPECTION CERTIFICATE**  
 Abnahmeprüfzeugnis  
 Certificat de Réception

(A02) EN 10204 2004 TYPE 3.1

(A03) No. / Nr. / N°

3-20-00108-rev.01

Pag. 3 / 5

**(C30) Hardness Test / Härteprüfung / Essai de dureté**

ANSI/NACE MR0175/ISO 15156-3; ASTM A 370; ANSI/NACE MR0103/ISO 17945

| Quality Lot<br>Qualitätslos<br>Lot Qualité | (C00)<br>Sample | Request                        | (C30)<br>HRC | (C30)<br>HB  |
|--|-----------------|--------------------------------|--------------|--------------|
|  |                 |                                | 22.0 max     | 192.0 max    |
|  | (C00)<br>Sample | Result<br>Ergebnis<br>Résultat | (C32)<br>Avg | (C32)<br>Avg |
|  |                 |                                | <18.0        | 135.0        |
| QL30143061                                 | 39003005        |                                | <18.0        | 135.0        |
|  | 39003006        |                                | <18.0        | 136.0        |

Sampling done on tubes in manufacturing length / Beprobung erfolgte an Rohren in Herstelllänge / Echantillonnage réalisé par longueur de fabrication

**(C56) Ring Tensile Test / Ringzugversuch / Essai de traction sur anneau**

EN ISO 8496

| Quality Lot<br>Qualitätslos<br>Lot Qualité | (C00)<br>Sample | Result<br>Ergebnis<br>Résultat |
|--|-----------------|--------------------------------|
| QL30143061                                 | 39003005        | OK                             |

Sampling done on tubes in manufacturing length / Beprobung erfolgte an Rohren in Herstelllänge / Echantillonnage réalisé par longueur de fabrication

**Intergranular Corrosion Test / Prüfung der interkristallinen Korrosion / Essai de corrosion intergranulaire**

ASTM A 262 PRACTICE E; EN ISO 3651-2 METHOD A

| Request Max                                |                 |                                |
|--|-----------------|--------------------------------|
| Unit                                       |                 |                                |
| Quality Lot<br>Qualitätslos<br>Lot Qualité | (C00)<br>Sample | Result<br>Ergebnis<br>Résultat |
| QL30143061                                 | 39003005        | Satisfactory                   |

**Other Tests and Declarations / Andere Prüfungen und Prüffeststellungen / Autres Tests et Déclarations**



Nuance : 304/304L TUBE ME  
Coulee : 321180 lot :  
Commande : BL :353723 Poste:06  
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thyssenkrupp

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(A02) EN 10204 2004 TYPE 3.1

(A03) No. / Nr. / N° **3-20-00108-rev.01** Pag. **4 / 5**

QL30143061

Heat Treatment / Wärmebehandlung / Traitement thermique : ANNEALED BY DIRECT QUENCHING - Rapid  
Cooling off the extrusion press - Temperature : 1040°C (1900°F) min - 1080°C (1980°F) max

|       |  |   |
|-------|--|---|
| (D01) | Visual and dimensional inspection (VT) on 100% of tubes according to the order<br>Besichtigung und Maßkontrolle von 100% der Rohre gemäß Auftrag<br>Examen visuel et dimensionnel sur 100% des tubes selon la commande | Satisfactory<br>Bestanden<br>Satisfaisant |
|-------|--|---|

|       |  |   |
|-------|--|---|
| (D51) | Antimixing Check (PMI) on 100% of tubes<br>Verwechslungsprüfung an allen Rohren mittels Spektralprüfung von 100% der Rohre<br>Contrôle anti-mélange par PMI sur 100% des tubes | Satisfactory<br>Bestanden<br>Satisfaisant |
|-------|--|---|

|       |  |  |
|-------|--|--|
| (D52) | Hydro Pressure Test on 100% of tubes 5 sec. at 70.00 BAR EN 10216-5<br>Wasserdruckprüfung auf 100% Rohren 5 sec. mit 70.00 BAR EN 10216-5<br>Epreuve Hydraulique sur 100% des tubes 5 sec. avec 70.00 BAR EN 10216-5<br><br>No Weld Repair<br>Keine Reparaturschweißung<br>Aucune réparation par soudure | Guaranteed test<br>Prüfung gewährleistet<br>Test garanti |
|-------|--|--|

|       |  |
|-------|--|
| (Z01) | SMST declares that the product was manufactured, sampled, tested, inspected and packed in accordance with the specifications and any other requirements designated in the purchase order within the extent listed in SMST order acknowledgment, and has been found to meet such requirements<br>Die Rohre sind frei von Quecksilberverunreinigungen und frei von radioaktiver Verunreinigung<br>Les tubes sont exempts de contamination par le mercure et de contamination radioactive<br><br>The material is conforming to directive 2000/53/EC and 2011/65/EU<br>Das Material entspricht den Anforderungen der Richtlinien 2000/53/EC und 2011/65/EU<br>Le matériau est conforme aux directives 2000/53/EC et 2011/65/EU<br><br>Confirmation with reference to Pressure Equipment Directive 2014/68/EU:<br>The works operates a quality management system that has undergone a specific assessment for materials for pressure equipment certified by a competent body (TÜV-SÜD-Cert.No: 05/2018/MAN)<br>Bestätigung in Bezug auf Druckgeräterichtlinie 2014/68/EU:<br>Das Werk wendet ein Qualitätsmanagementsystem an, das in Bezug auf Werkstoffe für Druckgeräte einer spezifischen Bewertung wurde und von einer zuständigen Stelle (TÜV-SÜD-Cert.No: 05/2018/MAN) zertifiziert ist.<br>Confirmation concernant la Directive Equipements sous Pression 2014/68/EU:<br>L'usine applique un système de management de la qualité qui a fait l'objet d'une évaluation spécifique pour les matériaux pour équipements sous pression et qui est certifié par un organisme compétent (TÜV-SÜD-Cert.No: 05/2018/MAN) |
|-------|--|

|       |  |                        |   |            |
|-------|--|------------------------|---|------------|
| (Z02) | Mill's Inspector<br>Werkssachverständiger<br>Le Contrôleur usine | Florian Suillerot (IU) | Date of Edition<br>Ausgabedatum<br>Date d'Édition | 10/01/2020 |
|-------|--|------------------------|---|------------|

This certificate is issued by SALZGITTER MANNESMANN STAINLESS TUBES via a computerized system bearing a traceable unique number. It is valid without signature. An intermediary may only pass on the original certificate without any alterations. Providing a copy of the original is only permitted subject to strict compliance with the prerequisites set out in § 6 of EN 10204:2004 i.e. traceability and availability of the original upon request. Any modification or alteration of the certificate or any copies are strictly prohibited. Any contravention of this notice or § 6 of EN 10204:2004 is illegal and will be prosecuted. Any falsification of a certificate e.g. by introducing false or fraudulent data for the purpose of promoting the sales of goods is a criminal offence under German law (and many other jurisdictions) punishable with fines and imprisonment. If an authentication is needed, please contact [info@mst.mannesmann.com](mailto:info@mst.mannesmann.com)

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**Prüfung der Zeugnisse gegen Fälschung**  
**Contrôle de la contrefaçon des certificats**

Salzgitter Mannesmann Stainless Tubes France SAS ISO9001 - LRQA N° 926478

Tel : 01.30.69.67.00  
Fax : 01.30.50.93.46  
Web : [www.thyssenfrance.com](http://www.thyssenfrance.com)

Siret 562 068 155 00026  
N° TVA FR30562068155  
Code NAF 515 C

Nuance : 304/304L TUBE ME  
Coulee : 321180 lot :  
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Client : AQSEPTENCE GROUPE SAS  
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(A02) EN 10204 2004 TYPE 3.1



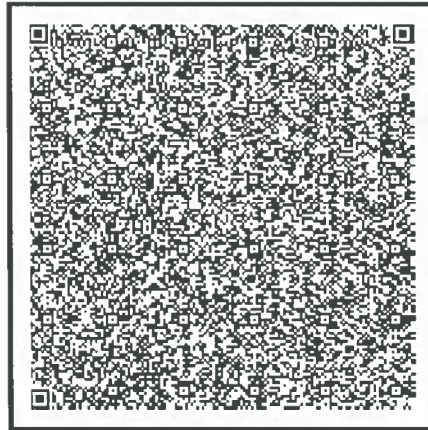
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(A03) No. / Nr. / N°

3-20-00108-rev.01

Pag. 5 / 5



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No.270, Sec.4, Jungshan Rd., Shijou Shiang,  
Chang-Hwa, Taiwan, R.O.C  
http://www.ycinox.com  
TEL : +886-4-8899566 FAX : +886-4-8899770

INSPECTION CERTIFICATE

EN 10204-3.1:2004




|               |                             |                        |           |                 |              |
|---------------|-----------------------------|------------------------|-----------|-----------------|--------------|
| Customer      | STAPPERT FRANCE S.A.S.      | Customer No.           | FFR012    | Certificate No. | 210224P0178  |
| Product       | STAINLESS STEEL WELDED PIPE | Commercial Invoice No. | J21020035 | Date of Issue   | 2021/02/25   |
| Specification | ASTM A312/A312M-19          | PO No.                 | 69806     | Order No.       | EP20120270-1 |
| Steel Grade   | TP304/304L                  | Finish                 | PICKLED   | P.I.No.         | PI 2012-131  |
|               |                             |                        |           | Weight No.      | C21020120    |

| Item No. | Heat No. | Product Description | Chemical Composition(%) |           |               |      |   |    |    |   |   |    |    |              |     | Tension Test |   |  |  |  | *01<br>HR | *02<br>HT | *03<br>HY | *04<br>ET | *05<br>F1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|          |          |                     | Quantity<br>Pcs         | Dimension | Specification |      |   |    |    |   |   |    |    |              |     | Tension Test |   |  |  |  |           |           |           |           |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|          |          |                     |                         |           | Min.          | Max. | C | Si | Mn | P | S | Ni | Cr | T.S.         |     | E.L.         |   |  |  |  |           |           |           |           |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|          |          |                     |                         |           |               |      |   |    |    |   |   |    |    | 0.2%<br>Y.S. | MPa |              | % |  |  |  |           |           |           |           |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|          |          |                     |                         |           |               |      |   |    |    |   |   |    |    |              |     |              |   |  |  |  |           |           |           |           |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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|--|--|--|---|
| Remark   |  | Note   |   |
| *ASTM A312/A999, ASME SA312/SA999 (ASME Boiler and Pressure Vessel Code Section II Part-A-2019)<br>*QM-System for Material Manufacturer according to PED 2014/68/EU Annex 1 par 4.3<br>*ET Examination:OK(acc. ASTM E426 with OD≤5"/EN ISO 10893-2)<br>*QM-System according to AD2000 Merkblatt W0 |  | 100% Alloy Verification(PMI) : OK<br>Intergranular Corrosion Test (according to ASTM A262 Practice E) : OK<br>Hardness according to NACE MR0175 / ISO 15156-3:2015 : Satisfactory.<br>304/304L/1.4301/1.4307 |   |
| Visual Inspection(Surface) and Dimension Check : OK  |  | 1MPa=1N/mm <sup>2</sup> ≈10bar=145psi=10.2kgf/cm <sup>2</sup>  |   |
| Surveyor Ey  | We hereby certify that material described herein has been manufactured and tested with satisfactory results in accordance with the requirement of the above material specification.<br>The material described above has been found free of radiation by raw material supplier. |  | 1.ISO 9001:2015 (No.01 100 056299)<br>2.PED / AD2000 (No.01 202 TWIN/Q-05 0105)<br>3.ISO 14001:2015 (No.01 104 822 096385)<br>4.ISO 45001:2018 (No.01 113 822 096385) |
| N/A  |  |  |   |
| Manager of Quality Assurance Department  |  |  |   |





|   |  |  |  |  |  |  |  |
|---|--|--|--|--|--|--|--|
| <b>ACERINOX EUROPA</b><br><small>FABRICA DEL GRUPO DE<br/>CORSA 145<br/>PALMONES DEL BARRIO DE<br/>LA VILLA 1341 050 29 21 00<br/>FAX 050 29 21 00<br/>P.O. BOX 60<br/>14000 LOS BARRIOS (CANTV)<br/>ESPANA</small> |  | <br><b>by Accredited Body</b> |  | <h2 style="margin:0;">Abnahmeprüfzeugnis</h2> <h3 style="margin:0;">INSPECTION CERTIFICATE</h3> <div style="display: flex; justify-content: space-between; align-items: flex-start; margin-top: 10px;"> <div> <p>ACCORDING TO<br/>NACH <b>EN 10204 3.1</b></p> </div> <div style="text-align: right;"> <p>Prüf - Nr. <b>52 2018 228 20001 E</b><br/>             Inspection No.</p> <p style="font-size: small; margin-top: 5px;">                 Ausstellungsschein des TÜV SÜD vom 21. Februar 1993<br/>                 Letter of approval from the TÜV SÜD dated 21-2-93<br/>                 Lett. Schreiben des TÜV SÜD e. V. vom 26. Juni 1993 wird auf die Gütebestätigung verzichtet.<br/>                 TÜV SÜD renounces all the certificates signature according to their letter dated 26.6.93             </p> </div> </div> |  |  |  |
| Besteller - Customer<br><b>CLISSON METAL</b>  |  | Auftrags Nr. - Order No.<br><b>SO 2148</b>   |  | Bestellung Nr. - Order No.<br><b>CF17004395-FEV18</b>  |  |  |  |
| Prüfgegenstand - Article<br><b>BLECH AUS BAND (SHEET)</b>   |  | Werkstoff Nr und Lieferzustand - Material n° and Condition of Delivery<br><b>1.4301/1.4307 2B</b>              |  |  |  |  |  |
| Werkstoff - Normbez Standard - Grade of Material<br><b>X5 CRNi 18 10/X2CrNi18 9</b>   |  | Werksbez - Works Order<br><b>Acc - 160</b>   |  | Erschmelzungsart - Smelting Process<br><b>A = AOD Verfahren - AOD Process A</b>  |  |  |  |
| Anforderungen - Technical requirements<br><b>EN 10028 7/1RB 100/AD 2000 MERKBLATT WZNV10 PED 2014/68/EU</b>   |  |  |  | Kennzeichnung - Marking<br><b>Schmelzennummer - N° of coil</b>   |  |  |  |
| Zeichen des Lieferwerks - Brand of the manufacturer   |  |                               |  | Stempel des Sachverständigen - Inspector's stamp<br>  |  |  |  |

| Pos. Nr.<br>Item N° | Stückzahl<br>Quantity | Abmessung - Dimensions<br>mm | Schmelze Nr<br>Heat N° | Probe Nr<br>Test N° |
|---------------------|-----------------------|------------------------------|------------------------|---------------------|
| 0                   | 23                    | 3.000 x 1.000,00 x 2.000,00  | P3KE                   | 05P3KE C            |

| Chemische Analyse - Chemical Composition (%) |       |                  |       |       |                 |       |       |       |       |  |
|--|-------|------------------|-------|-------|-----------------|-------|-------|-------|-------|--|
| Schmelze Nr<br>Heat N°                       | C     | CR               | MN    | N     | NI              | P     | S     | SI    | CO    |  |
| Anforderungen<br>Requirements                | 0,030 | 17,500<br>19,500 | 2,000 | 0,100 | 8,000<br>10,500 | 0,045 | 0,015 | 1,000 |       |  |
| P3KE   | 0,019 | 18,110           | 1,916 | 0,070 | 8,035           | 0,031 | 0,001 | 0,361 | 0,144 |  |

| Mechanische Eigenschaften - Mechanical Properties |                            |   |                  |                 |                 |         | Pr. Temp/T. Temp 20° C |
|---|----------------------------|---|------------------|-----------------|-----------------|---------|------------------------|
| Probe Nr<br>Test N°                               | Prob.-Lage<br>Pos. of test | Abmessungen<br>des Probestabs<br>Dim. of specimen | Rm<br>N/mm2      | Rp 0.2<br>N/mm2 | Rp 1.0<br>N/mm2 | A5<br>% |                        |
| Anforderungen<br>Requirements                     |                            | Breite x Dicke<br>Width x Thickness<br>mm         | 540,00<br>700,00 | 230,00          | 260,00          | 45,00   |                        |
| 05P3KE  | C T                        | 12,500 3,00                                       | 617,28           | 342,64          | 371,69          | 59,36   |                        |

Beschichtung und Masskontrolle wurden durchgeführt: O.B. Surface and dimensione controlled: O.K.

Der Werkstoff ist beständig gegen interkristalline Korrosion gemäss EN ISO 3651-2  
The material is resistant to intergranular corrosion test according to EN ISO 3651-2

Spektroskopische Identifizierung: O.B. Spectrometrical identity test: O.K.

Wärmebehandlung: Glühen bei 1050 - 1100 °C



Heat treatment:  
Und Abschrecken mit Luft cooling with air.

Die Lieferung entspricht der Bestellung. The delivery is in accordance with the order  
Issued in agreement with TÜV SÜD Industrie Service GmbH (02/1983)



**WERKSACHVERSTÄNDIGER**  
**WORK INSPECTOR**  
**A. Heredia**

Zeugnis ist per EDV erstellt und ohne  
Unterschrift gültig gemäss E-Norm 10204


Palmones, 15 FEBRERO 2018

|  |  |   |                  |  |       |  |       |       |       |       |
|--|--|---|------------------|--|-------|--|-------|-------|-------|-------|
| <b>ACERINOX EUROPA</b><br><small>FABRICA DEL CAMINO DE<br/>         GUARATEA<br/>         PALMONES - LOS BARROS<br/>         15000 - 4541 - 550 00 00 00<br/>         FAX: 34 91 550 00 00 00<br/>         R.C. 001 00<br/>         C.E. LOS BARROS - GUARATEA<br/>         ESPAÑA</small> |  |   |                  | <b>INSPECTION CERTIFICATE</b><br><b>CERTIFICADO DE INSPECCION</b> 3.1      |       |  |       |       |       |       |
| <b>CUSTOMER</b><br><small>CLIENTE</small><br>CLISSON METAL<br>15 AVE DE L'INDUSTRIE  |  | <b>OUR ORDER N°</b><br><small>W/FEDTOS</small><br>SO 2148   |                  | <b>CERTIFICATE N°</b> 52 2018 228 20001 Y<br><small>CERTIFICADO N°</small> |       |  |       |       |       |       |
| <b>REQUIREMENTS</b><br><small>NORMAS APLICABLES</small><br>EN 10088-4 2009   |  | <b>INTERGRANULAR CORROSION</b><br><small>CORROSION INTERGRANULAR</small>  |                  | <b>GRADE</b><br><small>MATERIAL</small><br>Acc 160 1.4307                  |       | <b>FINISH</b><br><small>ACABADO</small><br>28  |       |       |       |       |
| <b>COIL / BOX</b><br><small>BOBINA / CAJA</small><br>05P3KE CAG  |  | <b>CONTENT</b><br><small>CONTENIDO</small><br>05P3KE CA   |                  | <b>THICKNESS</b><br><small>ESPESES</small><br>3,000                        |       | <b>WIDTH</b><br><small>ANCHO</small><br>1000,00  |       |       |       |       |
| <b>LENGTH</b><br><small>LARGO</small><br>2000,00   |  | <b>MARKS</b><br><small>MARKA</small>  |                  | <b>QUANTITY</b><br><small>CANTIDAD</small><br>23                           |       | <b>TEST N°</b><br><small>PROBETA</small><br>05P3KE C   |       |       |       |       |
| <b>CHEMICAL ANALYSIS / COMPOSICIÓN QUÍMICA (%)</b>   |  |   |                  |  |       |  |       |       |       |       |
| <b>HEAT N°</b><br><small>CALEDA</small>  |  | C   | CR               | MN   | N     | NI   | P     | S     | SI    | CO    |
| <b>REQUIREMENTS</b><br><small>REQUISITOS</small>   |  | 0,030   | 17,500<br>19,500 | 2,000  | 0,100 | 8,000<br>10,500  | 0,045 | 0,015 | 1,000 |       |
| P3KE   |  | 0,019   | 18,110           | 1,916  | 0,070 | 8,035  | 0,031 | 0,001 | 0,361 | 0,144 |
| <b>MECHANICAL PROPERTIES / CARACTERÍSTICAS MECÁNICAS</b>   |  |   |                  |  |       |  |       |       |       |       |
| <b>TEST N°</b><br><small>PRUEBA</small>  |  | Rm  | Rp 0.2           | Rp 1.0   | A5    |  |       |       |       |       |
| <b>REQUIREMENTS</b><br><small>REQUISITOS</small>   |  | 520,00<br>700,00  | 220,00           | 250,00   | 45,00 |  |       |       |       |       |
| 05P3KE   |  | C T 617,28  | 342,64           | 371,69   | 59,36 |  |       |       |       |       |
| <b>REMARKS / OBSERVACIONES</b><br>The delivery is in accordance with the order   |  |   |                  |  |       | <b>SURFACE AND DIMENSIONAL CONTROL</b><br><small>INSPECCIÓN SUPERFICIAL Y DIMENSIONAL</small><br><br>SATISFACTORY<br>SATISFACTORIA |       |       |       |       |
|  |  |   |                  |  |       | <b>WORK INSPECTOR</b><br><small>INSPECTOR</small>  |       |       |       |       |
|  |  |   |                  |  |       |  |       |       |       |       |
|  |  |   |                  |  |       | Palmones, 15 FEBRERO 2018  |       |       |       |       |



| ACERINOX EUROPA  |  |   |  | INSPECTION CERTIFICATE  |   |                 |  |          |  |
|--|--|--|--|---|---|-----------------|--|----------|--|
| FABRICA DEL COM. DE<br>13370 LORRAINE (CAO)<br>13370 LORRAINE (CAO)<br>13370 LORRAINE (CAO)<br>13370 LORRAINE (CAO)<br>13370 LORRAINE (CAO)  |  | by Accredited Body   |  | CERTIFICATE N° 52 2018 228 20002 *  |   |                 |  |          |  |
| CUSTOMER<br>CLISSON METAL<br>15 AVE DE L INDUSTRIE   |  | OUR ORDER N°<br>N° 2148  |  | YOUR ORDER N°<br>CF17004395/FÉV18   |   |                 |  |          |  |
| TRADE MARK<br>SELLO DEL FABRICANTE   |  |  |  | INSPECTOR'S STAMP<br>SELLO DEL INSPECTOR  |   |                 |  |          |  |
| REQUIREMENTS<br>NORMAS APLICABLES  |  | INTERGRANULAR CORROSION<br>CORROSION INTERGRANULAR                                 |  | STEELMAKING PROCESS<br>PROCESO DE ACERÍA  |   |                 |  |          |  |
| EN 10028 7:2009<br>EN 10028 2:2014<br>EN 10028 7:2009<br>ASTM A240Ed15a/A480Ed16 ASME SeclIA SA240/SA480Ed15<br>EN 10028 2:2014<br>ASTM A240Ed15a/A480Ed16 ASME SeclIA SA240/SA480Ed15   |  | EN ISO 3651-2<br>ASTM-A 262 PRACTICA E<br>EN ISO 3651-2<br>ASTM-A 262 PRACTICA E   |  | GRADE<br>MATERIAL<br>Aca 160 1.4307<br>Aca 160 1.4301<br>Aca 160 1.4301<br>Aca 160 TP-304<br>Aca 160 1.4307<br>Aca 160 TP-304 |   |                 |  |          |  |
| FINISH<br>ACABADO  |  | 2B<br>2B<br>2B<br>2B<br>2B<br>2B   |  | 2B<br>2B<br>2B<br>2B<br>2B<br>2B  |   |                 |  |          |  |
| COIL / BOX<br>P3KE CAG   |  | CONTENT<br>05P3KE CA   |  | THICKNESS<br>3.000  |   |                 |  |          |  |
| WIDTH<br>1000,00   |  | LENGTH<br>2000,00  |  | MARKS<br>MARCA  |   |                 |  |          |  |
| QUANTITY<br>23   |  | TEST N°<br>05P3KE  |  | C   |   |                 |  |          |  |
| CHEMICAL ANALYSIS / COMPOSICIÓN QUÍMICA (%)  |  |  |  |   |   |                 |  |          |  |
| HEAT N°<br>05P3KE  |  | C  |  | CR  |   | MN              |  | N        |  |
| P  |  | S  |  | SI  |   | CO              |  |          |  |
| 0,019  |  | 18,110   |  | 1,916   |   | 0,070           |  | 8,035    |  |
| 0,031  |  | 0,001  |  | 0,361   |   | 0,144           |  |          |  |
| MECHANICAL PROPERTIES / CARACTERÍSTICAS MECÁNICAS  |  |  |  |   |   |                 |  |          |  |
| TEST N°<br>05P3KE  |  | Rm<br>N/mm2  |  | Rp 0.2<br>N/mm2   |   | Rp 1.0<br>N/mm2 |  | A50<br>% |  |
| A5<br>%  |  | HRB  |  |   |   |                 |  |          |  |
| C T  |  | 617,28   |  | 342,64  |   | 371,69          |  | 57,36    |  |
| 59,36  |  | 86,00  |  |   |   |                 |  |          |  |
| REMARKS / OBSERVACIONES  |  |  |  |   | SURFACE AND DIMENSIONAL CONTROL<br>INSPECCIÓN SUPERFICIAL Y DIMENSIONAL |                 |  |          |  |
| EN 10085-2<br>The delivery is in accordance with the order<br>CERTIFIED ACC. TO PRESSURE EQUIPMENT DIRECTIVE 97 / 23 / EC<br>BY TÜV SÜDDEUTSCHLAND CERT. NO: 08 / 2001 / MUC<br>Temperatura de hipertemple entre 1050 y 1100 ° C<br>NACE-MR0175/ISO 15156-3:2009; NACE MR0103:2012 (Chem & Mech only). |  |  |  |   | SATISFACTORY<br>SATISFACTORIA   |                 |  |          |  |
| WORK INSPECTOR<br>INSPECTOR  |  |  |  |   |   |                 |  |          |  |

CERTIFICAT DE RECEPTION 3.1  
EN 10204 3.1

|  |   |   |                               |   |                                 |  |   |
|--|---|---|-------------------------------|---|---------------------------------|--|---|
| Delivery address, Empfänger, Lieu de livraison<br><b>DESCALINOX SNC</b><br><b>PARC D ACTIVITES LES CHENES</b><br><b>LES ECHETS</b><br><b>01700 MIRIBEL</b><br><b>FRANCE</b>  |   |   |                               | <b>DESCALINOX SNC</b><br><b>PARC D ACTIVITES LES CHENES</b><br><b>LES ECHETS</b><br><b>01700 MIRIBEL</b><br><b>FRANCE</b> |                                 |  |   |
| Requirements, Anforderungen, Exigences<br><b>EN 10028-7:2007</b><br><b>ASTM A240/A240M</b><br><b>ASME SA-240/SA-240M II A ED. 2015</b>   |   |   |                               | Our Order No.<br>Unser Auftrag Nr.<br>Notre commande n°<br><b>300373033</b>   |                                 | Your order, Ihre Bestellung, Votre commande<br><b>391763</b>   |   |
| Product, Erzeugnisform, Produit<br><b>TOLE , ACIER INOXYDABLE</b>  |   |   |                               | Mark of Manufacturer<br>Zeichen des Lieferanten<br>Signe du producteur<br>outokumpu                                       |                                 | Process<br>Erschmelzungsart<br>Mode de fusion<br><b>AOD</b>  |   |
| Grade, Werkstoff, Nuance<br><b>1.4307 TYPE 304L</b>  |   |   |                               | Tolerances Toleranzen, Tolérances<br><b>EN ISO 9445-2</b>   |                                 | Inspector's stamp<br>Zeichen d. Sachverständigen<br>Poisson de l'expert<br> |   |
| Marking, Kennzeichnung, Marquage<br><b>1.4307 2B</b>   |   |   |                               | Marks, Versandszeichen, Marques   |                                 |  |   |
| Line<br>Reihe<br>Ligne   | Item<br>Position<br>Postu   | Charge-test No.<br>Schmelz-Probé Nr.<br>Coulée n° | Size, Abmessungen, Dimensions |   | Quantity<br>Stückzahl<br>Nombre | Weight, Gewicht, Poids   | Finish<br>Ausführung<br>Fini<br>EN/ASTM |
| 1  | 1   | 49255 1   | 1,0 X 1000 X 2000 MM          |   | 152                             | 2396 KG  | 2B                                      |
| Charge no.<br>Schmelz Nr.<br>Coulée n°   |   |   |                               |   |                                 |  |   |
| Chemical composition, Chemische Zusammensetzung, Composition chimique  |   |   |                               |   |                                 |  |   |
| C<br>%   | Si<br>%   | Mn<br>%   | P<br>%                        | S<br>%  | Cr<br>%                         | Ni<br>%  | N<br>%                                  |
| 49255  | 0,025   | 0,42  | 1,48                          | 0,031   | <.001                           | 18,2   | 8,1                                     |
| 0,042  |   |   |                               |   |                                 |  |   |
| Line<br>Reihe<br>Ligne   | Mechanical properties, Mechanische Eigenschaften, Caractéristiques mécaniques |   |                               |   |                                 |  |   |
| Location<br>Ort<br>Lieu  | Rp0.2<br>MPa  | Rp1.0<br>MPa                                      | Rm<br>MPa                     | %   | A50<br>%                        | A80<br>%   | Hardness<br>Härte/Dureté<br>HBW         |
| 1  | E   | 266   | 296                           | 630   | 60                              | 58   | 165                                     |
|  | A   | 265   | 294                           | 631   | 60                              | 58   | 162                                     |
| Tensile test, Zugversuch, Essai de traction<br><b>ISO 6892-1:2009 A224</b><br><b>PERPENDICULAIREMENT A LA</b><br><b>DIRECTION DU LAMINAGE</b><br><b>CERTIFIE SUIVANT LA</b><br><b>DIRECTIVE APPAREILS A</b><br><b>PRESSION 97/23/CE PAR</b><br><b>TUEV, CORPS DE</b><br><b>CERTIFICATION POUR</b><br><b>APPAREILS A PRESSION DE</b><br><b>TUEV NORD</b><br><b>ENREGISTREMENT NO. 0045</b>  |   |   |                               |   |                                 |  |   |
| Identity test, Vorwechslungsprüfung, Contrôle d'identification<br>Sizes, Abmessungen, Dimensions<br>Surface, Oberfläche, Surface<br>Test of intergran. corros. Prüfung auf interst. Korros. Test de corros. interst.   |   |   |                               |   |                                 |  |   |
| <b>EN ISO 3651-2 A: CONFORME</b>   |   |   |                               |   |                                 |  |   |
| <b>EN 10088-2:2014/1.4307</b>  |   |   |                               |   |                                 |  |   |
| We certify that the above mentioned products comply with the terms of the order contract.<br>Wir bestätigen, dass die Lieferung den Vereinbarungen der Bestellannahme entspricht.<br>Nous certifions que les produits énumérés ci-dessus sont conformes aux prescriptions de la commande.<br>This test certificate is made by controlled ADP-system and is valid without signature.<br>Dieses Zeugnis wurde von einem überprüften Datenverarbeitungssystem erstellt und ist ohne Unterschrift gültig.<br>Ce certificat a été établi par un système informatique contrôlé et est valide sans signature. |   |   |                               |   |                                 |  |   |
| <b>Outokumpu Stainless Oy</b>  |   |   |                               |   |                                 |  |   |
| Authorized inspector<br>Werkstättverständiger<br>Inspecteur autorisé<br><b>SUSANNA SIUKONEN</b><br>EL95400 Tervo, Finland<br>Tel. +356 16 4521 email siriakko.tervo@outokumpu.com<br>www.outokumpu.com<br>Docufile: Tervo, Finland, Business Identity Code 022315-9  |   |   |                               |   |                                 |  |   |

NT soudure pour ISOx 304

CERTIFICAT DU 6/07/2017

Page 3

Certificat N° 0116043/003

Référence 707083731

Réf client 0717/937

Facture 771676

ADRESSE Facturation

332118

EN SOUDAGE SAS

14 RUE HUBERT CURIEN

87000 LIMOGES

CERTIFICAT D'ANALYSE

DIN EN 10204 3.1

Janvier 2005

Correspondances :  
1 N/mm² = 0,102 Kg/mm² = 145 Psi  
1 T/sqin = 1,55 Kg/mm² = 15,20 N/mm²

| PO NR |  | COULEE/Heat Schmelze   | MF No.  | MARQUAGE Mark | QUANTITE UN Quantity | DESIGNATION Description / Bezeichnung |                                 |        |       |       |    |       |   |    |    |    |    |   |               |           |    |              |    |     |
|-------|--|--|---------|---------------|----------------------|---------------------------------------|---------------------------------|--------|-------|-------|----|-------|---|----|----|----|----|---|---------------|-----------|----|--------------|----|-----|
| 3     |  | 1112530  | 7096570 | MS000         | 30,00 KG             | FIL SOUDURE ER308L TIG                | 1,60x1000,00                    |        |       |       |    |       |   |    |    |    |    |   |               |           |    |              |    |     |
|       |  |  |         |               |                      | ER308L AWS A 5.9                      | 1.4316 ISO 14343 - A - W 19 9 L |        |       |       |    |       |   |    |    |    |    |   |               |           |    |              |    |     |
|       |  | COULEE/Heat Schmelze   | C       | MN            | SI                   | P                                     | S                               | CR     | NI    | MO    | TI | CU    | N | CO | NB | SE | FN | R N/mm²   | Rp 0,2% N/mm² | A% L = 5d | Z% | KCV-196° (J) | HB | HRC |
|       |  | 1112530  | 0,026   | 1,400         | 0,400                | 0,028                                 | 0,005                           | 19,900 | 0,070 | 0,016 |    | 0,070 |   |    |    |    | 8  | 500   | 400           | 38,0      |    | 48,0         |    |     |
|       |  |  |         |               |                      |                                       |                                 |        |       |       |    |       |   |    |    |    |    | Propriétés mécaniques typiques du métal déposé  |               |           |    |              |    |     |
|       |  |  |         |               |                      |                                       |                                 |        |       |       |    |       |   |    |    |    |    | Typical mechanical properties of all-weld metal |               |           |    |              |    |     |
|       |  |  |         |               |                      |                                       |                                 |        |       |       |    |       |   |    |    |    |    | VISA DU RESPONSABLE - DATE                      |               |           |    |              |    |     |
|       |  | Autres essais / Others tests / Sonstige Prüfungen                            |         |               |                      |                                       |                                 |        |       |       |    |       |   |    |    |    |    |   |               |           |    |              |    |     |
|       |  | Compliance ROHS - REACH / Free from known Mercury or Radiation contamination |         |               |                      |                                       |                                 |        |       |       |    |       |   |    |    |    |    |   |               |           |    |              |    |     |





Johnson Screens®  
Passavant®  
Geiger®  
Noggerath®  
Johnson Architectural  
Elements®

**PASSPORT FOR THE EQUIPMENT / DOSSIER QUALITE**

**CUSTOMER / CLIENT :**

- **FORAQUITAINE**

**MATERIAL / PRODUIT :**

- **CREPINE 6"5/8**

**CUSTOMER'S ORDER / REFERENCE CLIENT :**

- **021.10393 – Mont-de-Marsan**

**AQSEPTENCE'S ORDER / COMMANDE AQSEPTENCE :**

- **CBB 194503**

**Aqseptence Group SAS**

Zone Industrielle, Rue des Varennes  
86530 Availles-en-Châtellerault  
France

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johnsonscreens.fr@aqseptence.com  
www.aqseptence.com

Corporate Headquarters and  
Registered Office  
Aqseptence Group SAS  
au capital de 3 057 873 Euros  
N° Siret 826 020 141 00022  
RCS Poitiers B 826 020 141  
APE 2829 B  
TVA FR 77826020141

Executive Management  
Chafik El Kabali





# Johnson Screens

A brand of  
Aqseptence Group

Zone Industrielle  
86530 AVAILLES-EN-CHATELLERAULT  
FRANCE

☎ : 05 49 02 16 00

📄 : 05 49 02 16 16

Nb pages /  
pages nb


**16**

## CERTIFICATS MATIERE

## *MATERIAL CERTIFICATES*

### CERTIFICATES SUMMERY SOMMAIRE DES CERTIFICATS

| Item PO<br>Customer | DESIGNATION (fr.)      | MATERIAL | N°d'article | N°d'OA    | N°de doc |
|---------------------|------------------------|----------|-------------|-----------|----------|
| 10                  | FIL 325 T              | 304L     | 502660      | 45/310747 | 1        |
| 10                  | FIL 365 R              | 304L     | 503510      | 45/311979 | 2        |
| 10                  | JSL MALE 1J1J DN150    | 304L     | 601166-40   | 45/327943 | 3        |
| 10                  | PION JSL               | 316L     | 1/271573    | 45/329246 | 4        |
| 10                  | JSL FEMELLE 1J1J DN150 | 304L     | 1/217565    | 912672    | 5        |
| 10                  | JONC JSL DN150         | 316L     | 601793      | 45/329586 | 6        |
| 10                  | JOINT JSL DN150        | EPDM     | 601792      | 45/319138 | 7        |

| Usine productrice/Hersteller/Manufacturer 5<br>Ugitech Tréfilerie Brionne<br>Petite rue Volais<br>27800 Brionne<br>France   |                                     | INSPECTION CERTIFICATE 3.1<br>CERTIFICAT DE RECEPTION 3.1<br>ABNAHMEPRUEFZEUGNIS 3.1<br>-----<br>EN 10204 / 3.1   |  |  |  |        |         |        |      |      |      |      |     |     |     |                |  |  |  |        |         |  |  |  |              |        |        |        |         |         |        |        |        |                       |        |        |        |        |         |        |        |        |
|---|-------------------------------------|---|--|--|--|--------|---------|--------|------|------|------|------|-----|-----|-----|----------------|--|--|--|--------|---------|--|--|--|--------------|--------|--------|--------|---------|---------|--------|--------|--------|-----------------------|--------|--------|--------|--------|---------|--------|--------|--------|
| Certificat / Zeugnis / Certificate 4<br>84299223 000010   |                                     | Ordre de fab. / Auftrag / Prod. Order 11-1<br>10461508  | N° coulée / Schmelzen Nr / Heat N° 11-2<br>108077  | N° lot MM / Chargen / Batch 11-3<br>10461508                 |  |        |         |        |      |      |      |      |     |     |     |                |  |  |  |        |         |  |  |  |              |        |        |        |         |         |        |        |        |                       |        |        |        |        |         |        |        |        |
| Certification - Werkzeugnis - Certificate 99<br>ISO 9001<br>ISO 14001   |                                     | 98  | 98-2   | 97   |  |        |         |        |      |      |      |      |     |     |     |                |  |  |  |        |         |  |  |  |              |        |        |        |         |         |        |        |        |                       |        |        |        |        |         |        |        |        |
|   |                                     |   |  | 96   |  |        |         |        |      |      |      |      |     |     |     |                |  |  |  |        |         |  |  |  |              |        |        |        |         |         |        |        |        |                       |        |        |        |        |         |        |        |        |
| 805101 Simple triangle UGI F4307 Work hardened Gloss degreased 1000 blue reel cent-to cent70 Nom article client : 325T Customer reference drawing : 9/1/20 Customer specification No : 94051 Specification issue No : AA Specification revision date : 04/11/2020 4,3   |                                     |   |  |  |  |        |         |        |      |      |      |      |     |     |     |                |  |  |  |        |         |  |  |  |              |        |        |        |         |         |        |        |        |                       |        |        |        |        |         |        |        |        |
| Produit Triangle allégé UGI F4307 Ecroui Brillant dégraissé Touret bleu 1000 entraxe 70mm Nom article client<br>Erzeugnisform einfaches Dreieck UGI F4307 Kaltverfestigt blank entfettet Grossspule 1000 blau Abstand 7 Nom article<br>Product Simple triangle UGI F4307 Work hardened Gloss degreased 1000 blue reel cent-to cent70 Nom article cli  |                                     |   |  |  |  |        |         |        |      |      |      |      |     |     |     |                |  |  |  |        |         |  |  |  |              |        |        |        |         |         |        |        |        |                       |        |        |        |        |         |        |        |        |
| Clt et/ou destin.-Besteller u/o Empfänger-Purchaser a/o Consigner 9<br>30758 AQSEPTENCE GROUP SAS   |                                     | N° cde client - Kundenbestellnummer - Purchase order number 10<br>4500310747 PROJET ST  |  | Cde SAP-SAP Kundenbestellung-SAP sales ord. 20<br>1016081 10 |  |        |         |        |      |      |      |      |     |     |     |                |  |  |  |        |         |  |  |  |              |        |        |        |         |         |        |        |        |                       |        |        |        |        |         |        |        |        |
| Norme de référence / Besugsnorm / Standard for reference 12-2<br>EN 10088-1/3 ED2014 1.4307   |                                     | Fiche info qualité  |  |  |  |        |         |        |      |      |      |      |     |     |     |                |  |  |  |        |         |  |  |  |              |        |        |        |         |         |        |        |        |                       |        |        |        |        |         |        |        |        |
| Profil client / Kunde Profile / Customer Shape 16<br>325T   |                                     | Numéro article client 17<br>502660 * 325T/304L  |  |  |  |        |         |        |      |      |      |      |     |     |     |                |  |  |  |        |         |  |  |  |              |        |        |        |         |         |        |        |        |                       |        |        |        |        |         |        |        |        |
| Spécification client / Kundenspezifikation / Customer's specification 12-3<br>94051 94051 AA 04/11/2020   |                                     |   |  |  |  |        |         |        |      |      |      |      |     |     |     |                |  |  |  |        |         |  |  |  |              |        |        |        |         |         |        |        |        |                       |        |        |        |        |         |        |        |        |
| Nombre 18<br>Stueckzahl<br>Pieces Nbr<br>2  | Profil 19<br>Profile<br>Shape<br>TA | Dimension 21-1<br>Ausmessung<br>Dimension<br>4,380 x 3,250 MM   | Longueur 21-2<br>Laenge<br>Length  | Poids 22<br>Gewicht<br>Weigh<br>2073 KG                      |  |        |         |        |      |      |      |      |     |     |     |                |  |  |  |        |         |  |  |  |              |        |        |        |         |         |        |        |        |                       |        |        |        |        |         |        |        |        |
| Free of radioactivity contamination 23  |                                     | 42<br><table border="1"> <thead> <tr> <th>Demandé</th> <th>% C</th> <th>% SI</th> <th>% MN</th> <th>% NI</th> <th>% CR</th> <th>% S</th> <th>% P</th> <th>% N</th> </tr> </thead> <tbody> <tr> <td>Vorschrift Min</td> <td></td> <td></td> <td></td> <td>8,0000</td> <td>17,5000</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Required Max</td> <td>0,0300</td> <td>1,0000</td> <td>2,0000</td> <td>10,5000</td> <td>19,5000</td> <td>0,0300</td> <td>0,0450</td> <td>0,1000</td> </tr> <tr> <td>Coulée/Schmelzen/Heat</td> <td>0,0190</td> <td>0,4060</td> <td>1,1200</td> <td>9,2780</td> <td>18,1300</td> <td>0,0027</td> <td>0,0276</td> <td>0,0270</td> </tr> </tbody> </table> |  |  |  |        | Demandé | % C    | % SI | % MN | % NI | % CR | % S | % P | % N | Vorschrift Min |  |  |  | 8,0000 | 17,5000 |  |  |  | Required Max | 0,0300 | 1,0000 | 2,0000 | 10,5000 | 19,5000 | 0,0300 | 0,0450 | 0,1000 | Coulée/Schmelzen/Heat | 0,0190 | 0,4060 | 1,1200 | 9,2780 | 18,1300 | 0,0027 | 0,0276 | 0,0270 |
| Demandé   | % C                                 | % SI  | % MN   | % NI   | % CR   | % S    | % P     | % N    |      |      |      |      |     |     |     |                |  |  |  |        |         |  |  |  |              |        |        |        |         |         |        |        |        |                       |        |        |        |        |         |        |        |        |
| Vorschrift Min  |                                     |   |  | 8,0000   | 17,5000  |        |         |        |      |      |      |      |     |     |     |                |  |  |  |        |         |  |  |  |              |        |        |        |         |         |        |        |        |                       |        |        |        |        |         |        |        |        |
| Required Max  | 0,0300                              | 1,0000  | 2,0000   | 10,5000  | 19,5000  | 0,0300 | 0,0450  | 0,1000 |      |      |      |      |     |     |     |                |  |  |  |        |         |  |  |  |              |        |        |        |         |         |        |        |        |                       |        |        |        |        |         |        |        |        |
| Coulée/Schmelzen/Heat   | 0,0190                              | 0,4060  | 1,1200   | 9,2780   | 18,1300  | 0,0027 | 0,0276  | 0,0270 |      |      |      |      |     |     |     |                |  |  |  |        |         |  |  |  |              |        |        |        |         |         |        |        |        |                       |        |        |        |        |         |        |        |        |
| Demandé<br>Vorschrift Min<br>Required Max<br>Coulée/Schmelzen/Heat  |                                     |   |  |  |  |        |         |        |      |      |      |      |     |     |     |                |  |  |  |        |         |  |  |  |              |        |        |        |         |         |        |        |        |                       |        |        |        |        |         |        |        |        |
| Demandé<br>Vorschrift Min<br>Required Max<br>Coulée/Schmelzen/Heat  |                                     |   |  |  |  |        |         |        |      |      |      |      |     |     |     |                |  |  |  |        |         |  |  |  |              |        |        |        |         |         |        |        |        |                       |        |        |        |        |         |        |        |        |
| We declare that the mentioned product is in compliance with the requirements of the contract and that, after checks and tests, it meets in all respects the specified requirements and applicable standards and regulations, except reservations or exceptions as listed in this declaration of conformity (NF L 00-015 C); Document validated by electronic signature. Material manufactured in the REACH regulation respect. 66-1 |                                     |   | Brionne le 22.04.2021 63<br>L'agent Réceptionnaire de l'usine<br>Der Werksachverständige |  |  |        |         |        |      |      |      |      |     |     |     |                |  |  |  |        |         |  |  |  |              |        |        |        |         |         |        |        |        |                       |        |        |        |        |         |        |        |        |
| We declare that the mentioned product is in compliance with the requirements of the contract and that, after checks and tests, it meets in all respects the specified requirements and applicable standards and regulations, except reservations or exceptions as listed in this declaration of conformity ; Document validated by electronic signature. Material manufactured in the REACH regulation respect. 66-2                |                                     |   | The work inspector<br>040001483468 J. LEYEUVE Page 1/2                                   |  |  |        |         |        |      |      |      |      |     |     |     |                |  |  |  |        |         |  |  |  |              |        |        |        |         |         |        |        |        |                       |        |        |        |        |         |        |        |        |



|   |   |   |   |  |   |
|---|---|---|---|--|---|
| Usine productrice/Hersteller/Manufacturer<br>Ugitech Tréfilerie Brionne<br>Petite rue Volais<br>27800 Brionne<br>France | 5 | INSPECTION CERTIFICATE 3.1<br>CERTIFICAT DE RECEPTION 3.1<br>ABNAHMEPRUEFZEUGNIS 3.1<br>-----<br>EN 10204 / 3.1 |   | 3  | 1<br> |
| Certificat / Zeugnis / Certificate<br>84299223 000010   | 4 | Ordre de fab. / Auftrag / Prod. Order 11-1<br>10461508  | N° coulée / Schmelzen Nr / Heat N° 11-2<br>108077 | N° lot MM / Chargen / Batch 11-3<br>10461508 |   |

**Etat de livraison / Auslieferungszustand / Delivery state**

|      | Poids d'1 metre<br>Gewicht für 1 Meter<br>Weight for 1 meter<br>g/m | Section<br>Sektion<br>Area (cut)<br>mm2 | Rm<br>Zugfestigkeit<br>Tensile strength<br>MPa |
|------|---|---|--|
| min  | 48,5  |   | 1000   |
| max  | 55,9  | 7,07                                    | 1500   |
| 0001 |   |   | 1341   |
|      | 52,3  | 6,62                                    |  |

56

N/Réf.: P/O: 4513107471 STOCK  
FOURN: SUPPLIER UBITECH  
26 AVR. 2021  
PLAN: DWG  
ITEM:

PROFIL 325T  
INOX 304L  
502660

|  |      |  |    |
|--|------|--|----|
| We declare that the mentioned product is in compliance with the requirements of the contract and that, after checks and tests, it meets in all respects the specified requirements and applicable standards and regulations, except reservations or exceptions as listed in this declaration of conformity (NF L 00-015 C); Document validated by electronic signature. Material manufactured in the REACH regulation respect. | 66-1 | Brionne le 22.04.2021<br>L'agent Réceptionnaire de l'<br>Der Werksachverständige | 63 |
| We declare that the mentioned product is in compliance with the requirements of the contract and that, after checks and tests, it meets in all respects the specified requirements and applicable standards and regulations, except reservations or exceptions as listed in this declaration of conformity ; Document validated by electronic signature. Material manufactured in the REACH regulation respect.                | 66-2 | The work inspector<br>J<br>040001483468 Page 4/4                                 |    |

**PIATTINE E PROFILI INOX SRL**

Via L. Zerbi , 67  
20023 CERRO MAGGIORE (MI) - Italy  
Tel : +039 (0) 331535911  
Fax : +039 (0) 331535677  
E\_mail : Info@ppinox.it

**INSPECTION CERTIFICATE**

UNI EN 10204 3.1  
ISO 10474 3.1

Certificate no. **00086380/546642**Date: **13/05/2021**

|   |                       |  |   |                                     |   |
|---|-----------------------|--|---|-------------------------------------|---|
| <b>Customer</b><br>C20342 - AQSEPTENCE GROUP S.A.S.                                       |                       | <b>order confirmation no.</b><br>ORDCL21001053 | <b>Date</b><br>20/04/21   | <b>your order no.</b><br>4500311979 | <b>Date</b><br>20/04/21   |
| <b>Item</b><br>PS304LTT0365LS9 - fil rond en touret A.304L Ø 3,65mm<br>Your Item : 503510 |                       |  | <b>Grade and Requirements</b><br>UNI EN 10088-3:2014 1.4307 2H spec. N° 94051 |                                     | <b>Heat no.</b><br>YX2008-1602  |
| <b>Sizes</b>  | thickness/diameter mm | width mm                                       | length mm   | Finish                              | <b>Intergranular Corrosion Test</b><br>according to EN ISO 3651-2 A: OK |
|   | 3,65                  | 0,00   | 0,00  |                                     |   |

**Chemical Composition %**

|   | C      | Si     | Mn     | P      | S      | Cr      | Ni     | N      |
|---|--------|--------|--------|--------|--------|---------|--------|--------|
| % | 0,0220 | 0,3000 | 0,6100 | 0,0320 | 0,0020 | 18,3000 | 8,0800 | 0,0360 |

**Mechanical properties**

|    |     |        |
|----|-----|--------|
| Rm | MPa | 822,00 |
|----|-----|--------|

**Other Requirements and Notes****Remarks:**

- Chemical values , at delivery condition , are quoted by the relevant steel work certificate
- Visual and dimensional test satisfactory
- Delivery item conforms to order requirements

**Piattine e Profili Inox Srl****Authorized inspector**

N/Réf.: P/O: 451311979 1 stock  
FOURN: SUPPLIER PIATTINE  
17 MAI 2021  
PLAN: DWG SP 94061  
ITEM:

PROFIL 365n INOX 304L  
5035 LD

Nuance : 304/304L TUBE ME  
Coulee : 562209 lot :  
Commande : BL :399285 Poste:01  
Client : AQSEPTENCE GROUPE SAS  
CDE 4500327943



3



# CERTIFICATE

A03/Z02  
No. A/21-961215 Rev 00  
Date 2021-06-21 Page 1/2

A02/Z03  
INSPECTION CERTIFICATE acc to  
EN 10204 3.1

A06  
THYSSENKRUPP MATERIALS FRANCE  
6 AV GUTENBERG ZA PARIWEST  
78310 MAUREPAS  
FRANCE

INSPECTION STAMP  
QA-TUBE

| Customer References A07 |                | Sandvik References A08 |                            |
|-------------------------|----------------|------------------------|----------------------------|
| 071718                  | Customer order | Order No.              | Subs No. SMT Dispatch note |
|                         | 2021-06-02     | 571475                 | 698903 40559/54            |
|                         |                | SMT No.                | C.Code                     |
| 200-00991 THYSSEN -W    |                | 300-32681              | 30                         |

| Material description B01/B04      |  | Steel/material Designations B02 |              |
|-----------------------------------|--|---------------------------------|--------------|
| STAINLESS HOT FINISHED HOLLOW BAR |  | Sandvik                         | AISI         |
|                                   |  | SANMAC 304L                     | TP304L/TP304 |
|                                   |  | EN no                           |              |
|                                   |  | 1.4307/1.4301                   |              |
| Metallurgical process C70         |  |                                 |              |
| Electric furnace                  |  |                                 |              |

| Technical requirements B03  |  |
|---|--|
| PED 2014/68/EU EN 10216-5, (Mechanical and technological testing acc. to TC1. Only leak test excluded. Pressure guaranteed to 70 bar at room temperature 20°C.) |  |
| EN 10294-2, EN 10297-2, NACE MR0175/ISO 15156-3:-2015, ASTM A-511-16 and ASTM A-312-19 (Chem. comp. and tensile only)   |  |

| EXTENT OF DELIVERY B07-B13 |                        |        |       |        |       |
|----------------------------|------------------------|--------|-------|--------|-------|
| It                         | Product designation    | Heat   | Lot   | Pieces | Kg    |
| 08                         | THB-SANMAC304L-180-150 | 562209 | 38139 | 1      | 349.0 |
|                            | 180.00 X 15.00         |        |       |        |       |
| Total                      |                        |        |       | 1      | 349.0 |

| TEST RESULTS                   |       |      |      |       |       |       |      |       |
|--------------------------------|-------|------|------|-------|-------|-------|------|-------|
| Chemical composition (weight%) |       |      |      |       |       |       |      |       |
| Heat                           | C     | Si   | Mn   | P     | S     | Cr    | Ni   | N     |
| 562209                         | 0.014 | 0.42 | 1.18 | 0.027 | 0.023 | 18.49 | 9.09 | 0.069 |

| Tensile test at room temperature |       |       |  | Tensile strength |  | Elongation |  |
|----------------------------------|-------|-------|--|------------------|--|------------|--|
| Yield strength                   |       |       |  |                  |  |            |  |
| Lot                              | MPa   | MPa   |  | MPa              |  |            |  |
|                                  | Rp0.2 | Rp1.0 |  | Rm               |  |            |  |
| 38139                            | 258   | 303   |  | 599              |  |            |  |

Quality assurance  
MTC Se

A-manager 30 A05/Z02

60166-50

N° Ref.: P/O: 4500327943 STOLK  
FOURN: SUPPLIER THYSSEN  
PLAN: DWG

A01 AB SANDVIK MATERIALS TECHNOLOGY Reg no. 550234-6832 VAT No. SE556234683201  
SE-81181 SANDVIKEN SWEDEN www.materials.sandvik mtc\_service.smt@sandvik.com





Nuance : 304/304L TUBE ME  
Coulee : 562209 lot :  
Commande : BL :399285 Poste:01  
Client : AQSEPTENCE GROUPE SAS  
CDE 4500327943



thyssenkrupp



CERTIFICATE

No. A/21-961215

Rev

00

Date

2021-06-21

Page

2/2

Hardness test

|       | Min | Max |
|-------|-----|-----|
| Lot   | HRB | HRB |
| 38139 | 76  | 80  |

Following controls/tests have been satisfactorily performed:

- Ring tensile test
- 100% PMI-test.
- Intergranular corrosion test acc. to EN ISO3651-2, Method A.
- Visual inspection and dimensional control.

Heat Treatment:

Solution annealed and quenched.

Marking:

SANDVIK SANMAC 304L EN10216-5 EN10294-2 EN10297-2 EN1.4301/EN1.4307 HFD 180.00  
X 150.00 MM HT 562209 SS LOT 38139 ASTM A511 MT304/MT304L \*QA-TUBE\*

Leak test:

The tubes are exclusively intended to be used after further machining.  
The purchaser has approved that the leakage test is deferred to the finished component. Leak test to a pressure of 70 bar at room temperature 20°C, guaranteed for product in delivered form.

The raw material is free from radioactive contamination.

Material free from mercury contamination.

Approved acc. AD 2000-Merkblatt W0 and certified acc. to Pressure Equipment Directive (2014/68/EU, Annex 1 para 4.3) by TUEV NORD; notified body, reg.no. 0045.

The number of tests are based on the size of the manufacturing lot before cutting to finished lengths.

The delivered products comply with the specifications and requirements of the order.

The material is manufactured according to a Quality system, approved and registered to ISO 9001:2015.

No unauthorized alterations. The contents of this Inspection Certificate may not be modified or revised in any way without the prior written approval of Sandvik Materials Technology. Unauthorized alterations to the Inspection Certificate, including introduction of false, fictitious or fraudulent statements or entries, may be punishable by fines, imprisonment, or both. This Inspection Certificate may be copied only in the manner and for the purposes specified in Section 6 of EN 10204:2004. Contravention of this notice will be prosecuted to the fullest extent of applicable law.

The certificate is produced with EDP and valid without signature.

AB SANDVIK MATERIALS TECHNOLOGY Reg No. 556234-6832 VAT No. SE556234693201  
SE-71181 SANDVIKEN SWEDEN [www.materials.sandvik](http://www.materials.sandvik) [mtc\\_service.smt@sandvik.com](mailto:mtc_service.smt@sandvik.com)





COGNE ACCIAI SPECIALI S.p.a.

ITALY - 11100 AOSTA - VIA PARAVERA, 16  
TEL +39.0165.3021 - FAX +39.0165.302296  
CAP. SOC. 140.000.000 EUR INT. VERS.  
C.F. 02187360957  
VAT: IT00571320076 - R.E.A. n. AO-50474

Entrepôts avec les systèmes de gestion certifiés  
selon ISO 9001, IATF 16949, EN 9100 et ISO  
14001

CERTIFICAT DE RECEPTION 3.1 (EN 10204:2004)  
NUMERO DE DOCUMENT 2021024085  
PAGE 2/2

INSPECTION DE LA SURFACE AVEC COURANTS DE FOUCAULT SUIVANT EN 10277-1 CLASSE 3: CONFORME.  
CONTROLE DIMENSIONNEL SUIVANT LA NORME EN 10278: CONFORME.

ESSAI DE TRACTION  
Lot de control - Poids: 020000873968 -  
SPECIFICATION

ASTMA370-E8-0.5" SPEC  
3.651 KG

ORIENTATION DE L'EPROUVETTE: L

| UNITE DE MESURE | TS<br>KSI | YS02<br>KSI | RA<br>% | EL4<br>%      |
|-----------------|-----------|-------------|---------|---------------|
| OBTENU          | 109       | 91          | 70,3    | 4,0 D<br>35,8 |

AUCUNE REPARATION DE SOUDURE EXECUTEE.

LE MATERIEL EST SANS MERCURE ET SES COMPOSES ET LIBRE DE LA CONTAMINATION DES SUBSATNCS RADIOACTIVE A L'ETAT DE LIVRAISON ET IL A ETE PRODUIT SANS L'UTILISATION DE SUBSTANCES QUI PEUVENT ENDOMMAGER L'OZONE, DE CLASSE I ET II.  
LE TRAITEMENT THERMIQUE EFFECTUE' DANS DES FOURS ETALONNE' SELON LA PROCEDURE INTERNE PR-GDQ.ITT EN ACCORD AVEC API6A Annex M.  
INSPECTION VISUELLE ET CONTROLE DIMENSIONNEL SELON EN 10221 CLASSE C, EN 10060 ET ASTM A484: CONFORME.

MARQUAGE: MARQUAGE DU PRODUCTEUR, N. WERKSTOFF, N. COULEE, N. LOT.

CONTROLE ANTIMELANGE: CONFORME

DOCUMENT PRODUIT EN ACCORD AVEC TUEV BAYERN (11.1972) NE FAISANT PAS L'OBJET D'UNE CONTRE-SIGNATURE (VOIRE DOCUMENT TUEV BAYERN 17.01.80).

TOUTES LES NORMES MENTIONNEES SONT EN ACCORD AVEC LES DERNIERES REVISIONS.

Pays d'origine: Italie, le matériel est conforme aux normatives FAR

DFARS 252.225-7009 ALT 1.

LES VALEURS CERTIFIEES SONT REELS ET LE RESULTAT DES ESSAIS REALISES SUR LA MATIERE. LES RESULTATS SONT ENREGISTRES ET CONFORMES A LA SPECIFICATION(S) APPLICABLE.

L'ENREGISTREMENT DES FAUSSES OU FRAUDULEUSES DONNEES SUR CE DOCUMENT PEUVENT ETRE PUNIS SELON LA LOI FEDERALE DES ETATS UNIS D'AMERIQUE.

POINCON DE L'EXPERT LE

MATERIEL EN CONFORMITE AVEC LA NORME NORSOK M-630 MDS S01

Les produits livrés sont conformes au EN10088-5 et ont le marquage CE grâce aux résultats des tests ci reportées et à la surveillance continue, vérification et approbation du MPA NRW (certificat no. 0432-CPR-00166-01)

Material produit selon le système #Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011#

CE 0432

OA: 451329246 / stock

FINO 3SL

INOX 316L

L0000271513

N° CDE :

REF : 100027

OF : OFB 19240

DATE 28.05.2021

MORABITO ROSA CF (ESPERT DE L'USINE) - CERTIFICAT CREE ELECTRONIQUEMENT

-Cogne



COGNE ACCIAI SPECIALI S.p.A.

ITALY - 11100 AOSTA - VIA PARAVERA, 16  
TEL. +39.0165.3021 - FAX +39.0165.302296  
CAP. SOC. 140.000.000 EUR INT. VERS.  
C.F. 02187360967  
VAT: IT00571320076 - R.E.A. n. AO-50474

Entreprise avec les systèmes de gestion  
certifiés selon ISO 9001, IATF 16949, EN  
9100 et ISO 14001

CERTIFICAT DE RECEPTION 3.1 (EN 10204:2004)  
NUMERO DE DOCUMENT 2021024085  
PAGE 1/2

CLIENT:  
N. DE LA COMMANDE DU CLIENT:  
USINE PRODUCTRICE  
AUTEUR DU DOCUMENT:  
NUMERO DE LA COMMANDE DE L'USINE:  
SIGLE DU PRODUCTEUR:  
AVIS D'EXPEDITION:  
LES PRODUITS CERTIFIÉS SONT CONFORMES À LA COMMANDE, EXCEPT LES ÉVENTUELLES DÉROGATIONS CONVENUES AVEC LE CI  
SPECIFICATION INTERNE:  
PRODUIT:  
FINITION SUPERFICIELLE:  
ETAT DE LIVRAISON:  
DIMENSIONS DU PRODUIT (MM):  
NUANCE:  
IDENTIFICATION N. DE COULEE:  
MARQUAGE DU PRODUIT:

COGNE FRANCE S.A.  
CDA73864  
AOSTA, VIA PARAVERA 16 - ITALIA  
SERVICE QUALITE  
0025277880 / 000010  
COGNE  
81411480 / 10 MASSE: 506 KG  
STOCKBARREW2  
TRA Etlré RONDS TOLLERANCE: ISOH9  
2H  
RP RECUIT+ECROUI  
10,000  
AISI 316/316L EN1.4401  
172798  
1.4404  
LONGUEUR DU PRODUIT (MM): 03050 / 03100  
NUANCE INTERNE: 316LMQ IMCO  
IDENTIFICATION N. DE LOT: 716930  
MARQUAGE PIECES: 693

LE PRODUIT EST CONFORME À LA SPÉCIFICATION ET À LA RÈGLE AD2000-MERKBLATT W0/W2.  
NORMES DE REFERENCES: EN 10088-3, EN 10272, ASTM A484, ASTM A276, ASME SA276, ASTM A479, ASME SA479, AMS 5648, AMS 5653.  
ELABORATION AU FOUR ELECTRIQUE + AOD + COULEE CONTINUE  
Hypertrempe à 1050°C +/-15°C / 1 min x mm / eau  
CONTRÔLE DE LA RADIOACTIVITÉ EFFECTUÉ AVEC UN SPECTROMÈTRE GAMMA: ASTM E181.  
ACTIVITÉ GAMMA SUR LES PRODUITS INFÉRIEURE À 0,1 BQ / G SELON LA RÉSOLUTION UE 2013/59/EURATOM, IAEA RS-G-1.7 E IAEA SSG-17  
ESSAI DE CORROSION SELON ASTM A262 METHODE E EN ISO 3651-2 METHODE A: CONFORME.  
LAMINE A CHAUD  
TAUX DE CORROYAGE 295,8

ANALYSE CHIMIQUE DÉ COULEE SELON ASTM A751 - EN ISO 14284  
Lot de control - Poids: 020000873630 - 88.988 KG  
ELEMENT C Si Mn P S N Cr Mo Ni Cu  
OBTENU 0,018 0,37 1,81 0,035 0,021 0,076 16,87 2,09 10,25 0,45  
ELEMENT Co  
OBTENU 0,13

ESSAI DE DURETE AU ETAT DE FOURNITURE  
Lot de control - Poids: 020000873968 - 3.651 KG  
SPECIFICATION ENISO6506 HB METHODE D'ESSAI: 10/3000  
OBTENU 221

ESSAI DE TRACTION AU ETAT DE FOURNITURE  
Lot de control - Poids: 020000873968 - 3.651 KG  
SPECIFICATION EN-ISO6892-1

UNITE DE MESURE

OBTENU

| RM<br>MPA | RP02<br>MPA | A5<br>% | Z<br>% | RP1<br>MPA |
|-----------|-------------|---------|--------|------------|
| 748       | 616         | 5,0 D   | 72,0   | 685        |
| 739       | 620         | 39,6    | 74,8   | 685        |
| 766       | 636         | 36,3    | 66,6   | 696        |
| 738       | 621         | 31,6    | 72,8   | 684        |
|           |             | 40,1    |        |            |

ORIENTATION DE L'EPROUVETTE: L

N° CDE :

REF: 10000271573

OF: 0FB19240

DATE 28.05.2021

MORABITO ROSA CF (ESPERT DE L'USINE) - CERTIFICAT CREE ELECTRONIQUEMENT

-Cogne



3/3



## Centravis Production Ukraine

53201 56, Trubnikov Avenue Nikopol Dnepropetrovsk Region Ukraine tel/fax (05662) 2-51-94

Approved acc. to AD 2000-Merkblatt W0 by TÜV Nord e. V. and certified acc. to Pressure Equipment Directive (97/23/EC) by TÜV CERT-Certification body for pressure equipment of the TÜV NORD GRUPPE; notified body, reg.-no. 0045.

Сертифицирован по AD 2000 WO ТЮФ Норд и по директиве для напорных резервуаров высокого давления (97/23/ЕС) сертификационным центром ТЮФ CERT для оборудования, работающего под давлением сертификационного общества ТЮФ НОРД ГРУППЕ

Регистрационный номер сертификационного центра 0045

|   |   |                |                   |
|---|---|----------------|-------------------|
| Требования Сертификата /<br>Inspection Certificate<br>EN 10204/3.1  | Сертификат приемочных испытаний №/<br>Material Test Certificate No. 2010/1532                                 | Лист/Page<br>1 | Листов/Pages<br>2 |
| Заказчик/<br>Customer<br>Страна назначения/<br>Country of Destination/<br>Адрес/<br>Address<br>Customer order No. | JOHNSON FILTRATION SYSTEMS<br><br>FRANCE<br><br>ZONE INDUSTRIELLE F-86530 AVAILLES-EN-CHATELLERAULT<br>912672 |                |                   |

Наименования продукции/Goods' description

ТРУБЫ БЕСШОВНЫЕ ГОРЯЧЕДЕФОРМИРОВАННЫЕ ИЗ АУСТЕНИТНЫХ НЕРЖАВЕЮЩИХ МАРОК С  
HOT FINISHED SEAMLESS STAINLESS AUSTENITIC STEEL TUBES/

НТД/Specification

ASTM A 312-09

|  |                            |                                    |                 |                                  |                                       |  |                               |
|--|----------------------------|------------------------------------|-----------------|----------------------------------|---------------------------------------|--|-------------------------------|
| Способ выплавки/Melting process EAF + AOD  |                            | Маркировка/Marking                 |                 |                                  |                                       |  |                               |
| Класс стали: аустенитная   |                            | Штамп контролера/Inspector's stamp |                 |                                  |                                       |  |                               |
| Состояние поставки/State of delivery   |                            | <div>91</div>                      |                 |                                  |                                       |  |                               |
| Термообработаны на твердый раствор,<br>травленные и пассивированные /<br>annealed , pickled and passivated HFD |                            |                                    |                 |                                  |                                       |  |                               |
| наружный диаметр (OD) -0/+2%   |                            |                                    |                 |                                  |                                       |  |                               |
| внутренний диаметр (ID) -2/+0%   |                            |                                    |                 |                                  |                                       |  |                               |
| (OD) -0/+2%  |                            |                                    |                 |                                  |                                       |  |                               |
| (ID) -2/+0%  |                            |                                    |                 |                                  |                                       |  |                               |
| COPTAMENT/RANGE OF SIZES   |                            |                                    |                 |                                  |                                       | Гидроис-<br>тания/<br>Hydr. Te<br>Bar  |                               |
| Номер<br>партии/<br>Lot No   | Марка стали/Steel<br>grade | Номер<br>плавки/<br>Heat No.       | Штук/<br>Pieces | Метраж/<br>Total<br>Length,<br>m | Вес<br>нетто, кг/<br>Netweight,<br>kg |  | Размеры/<br>Dimensions,<br>mm |
| 880  | TP304/TP304L               | 94787                              | 5               | 17,96                            | 1808                                  | OD 200 x 160 ID x 20 WT<br>x 2500-3750 | -                             |
| 880  | TP304/TP304L               | 94787                              | 3               | 11,12                            | 1116                                  | OD 200 x 160 ID x 20 WT<br>x 2500-3750 | -                             |
| TOTAL  |                            |                                    | 8               | 29,08                            | 2924                                  |  |                               |

N/Réf.: P/O: 912672 STOCK

FOURN: SUPPLIER CENTRALIS SALES SWITZERLAND

PLAN: DWG 250810-1

ITEM: 2

Data/date 13.05.2010

инспектор/inspe

ARTICLE: 100002L7565

EDouche Laminar Ø200 x Ø160  
INOX 304 / 304L

|   |   |                |                   |
|---|---|----------------|-------------------|
| Требования Сертификата /<br>Inspection Certificate/<br>EN 10204/3.1 | Сертификат приемочных испытаний №/<br>Material Test Certificate No. 2010/1532 | Лист/Page<br>2 | Листов/Pages<br>2 |
|---|---|----------------|-------------------|

**РЕЗУЛЬТАТЫ ИСПЫТАНИЙ / TEST RESULTS**  
**МЕХАНИЧЕСКИЕ ИСПЫТАНИЯ / MECHANICAL TESTS**

| Партия<br>номер/<br>Lot No. | Номер<br>плавки/<br>Heat No. | №<br>образца<br>испытаний<br>Specimen<br>No. | Направление<br>испытаний /<br>Test<br>direction | Температура<br>испытаний/<br>Test<br>Temperature,<br>°C | Предел<br>текучести/<br>Yield<br>strength,<br>0,2% | Предел<br>текучес-<br>ти/<br>Yield<br>strength,<br>1,0% | Прочность<br>при растя-<br>жении/<br>Tensile<br>strength | Удлине-<br>ние/Elon-<br>gation<br>L <sub>0</sub> =2", % | Твердость/<br>Rockwell<br>Hardness,<br>HRB |
|-----------------------------|------------------------------|--|---|---|--|---|--|---|--|
| 880                         | 94787                        | 1  | L   | 20°   | 242  | -   | 584  | 55  | -  |
|                             |                              | 2  |   |   | 232  | -   | 567  | 56  | -  |
| 880                         | 94787                        | 1  |   |   | 242  | -   | 584  | 55  | -  |
|                             |                              | 2  |   |   | 232  | -   | 567  | 56  | -  |

**ТЕХНОЛОГИЧЕСКИЕ ИСПЫТАНИЯ / DUCTILITY TESTS**

сплющивание – удовлетворительно.  
flattening – acceptable.

**ИСПЫТАНИЯ НА МЕЖКРИСТАЛЛИТНУЮ КОРРОЗИЮ / INTERGRANULAR CORROSION TEST**

не проводилось  
n/a

**НЕРАЗРУШАЮЩИЙ КОНТРОЛЬ / NON-DESTRUCTIVE TEST METHOD**

100% ультразвуковой контроль – удовлетворительно  
100% ultrasonic test - acceptable

Эксцентриситет (отклонение центра) максимум 10% от номинальной толщины стенки.  
Excentricity max. 10% of average w.t.

Термообработаны. Режим термообработки -1080°C, охлаждение в воде 5 минут./  
Tubes are heat treated: 1080° C holding time 5 minutes then cooled by water

Визуальный контроль, проверка размеров и несмешивание марок – соответствует  
VISUAL INSPECTION, DIMENSIONAL MEASUREMENT AND POSITIVE MATERIAL IDENTIFICATION - SATISFACTORY.

Трубы на момент погрузки не содержат Ртуть, Радий, Альфа частицы и легкоплавкие элементы.  
The tubes when shipped are free from contamination by Mercury, Radium, Alpha Source and low melting elements.

В процессе производства, монтажа и тестирования ртуть, ртутные смеси и оборудование с содержанием ртути не были использованы ни одним из способов, что могло бы привести к ее содержанию в трубах.  
No mercury, mercury compounds or mercury bearing instruments and/or equipment have been used in any manner that might have caused contamination in manufacture, assembly or test of the material.

Трубы не ремонтировались сваркой.  
No weld repair.

ЗАО «СЕНТРАВИС ПРОДАКШН УКРЕЙН» гарантирует, что трубы, указанные в данном сертификате качества, были произведены в соответствии с требованиями заказа.  
CENTRAVIS PRODUCTION UKRAINE CJSC declares that the tubes described herein have been manufactured in accordance with the order requirements.

**ДОЛЯ ХИМИЧЕСКИХ ЭЛЕМЕНТОВ %/CHEMICAL COMPOSITION, %**

| Номер<br>плавки/<br>Heat No. | C     | Mn   | Si   | P     | S     | Cr    | Ni    | Mo | B | N | Cu |
|------------------------------|-------|------|------|-------|-------|-------|-------|----|---|---|----|
| 94787                        | 0,025 | 1,03 | 0,32 | 0,028 | 0,025 | 18,48 | 10,14 |    |   |   |    |

Дата/date 13.05.2010

инспектор/ insp





## Centravis Production Ukraine

53201 56, Trubnikov Avenue Nikopol Dnepropetrovsk Region Ukraine tel/fax (05662) 2-51-94

Approved acc. to AD 2000-Merkblatt W0 by TÜV Nord e. V. and certified acc. to Pressure Equipment Directive (97/23/EC) by TÜV CERT-Certification body for pressure equipment of the TÜV NORD GRUPPE; notified body, reg.-no. 0045.

Сертифицирован по AD 2000 WO ТЮФ Норд и по директиве для напорных резервуаров высокого давления (97/23/EC) сертификационным центром ТЮФ CERT для оборудования, работающего под давлением сертификационного общества ТЮФ НОРД ГРУППЕ

Регистрационный номер сертификационного центра 0045

|   |   |                |                   |
|---|---|----------------|-------------------|
| Требования Сертификата /<br>Inspection Certificate<br>EN 10204/3.1  | Сертификат приемочных испытаний №/<br>Material Test Certificate No. 2010/1532                                 | Лист/Page<br>1 | Листов/Pages<br>2 |
| Заказчик/<br>Customer<br>Страна назначения/<br>Country of Destination/<br>Адрес/<br>Address<br>Customer order No. | JOHNSON FILTRATION SYSTEMS<br><br>FRANCE<br><br>ZONE INDUSTRIELLE F-86530 AVAILLES-EN-CHATELLERAULT<br>912672 |                |                   |

Наименования продукции/Goods' description  
ТРУБЫ БЕСШОВНЫЕ ГОРЯЧЕДЕФОРМИРОВАННЫЕ ИЗ АУСТЕНИТНЫХ НЕРЖАВЕЮЩИХ МАРОК СТАЛ  
HOT FINISHED SEAMLESS STAINLESS AUSTENITIC STEEL TUBES/

HTD/Specification

ASTM A 312-09

|  |                                    |
|--|------------------------------------|
| Способ выплавки/Melting process EAF + AOD  | Маркировка/Marking                 |
| Класс стали: аустенитная   |                                    |
| Состояние поставки/State of delivery   | Штамп контролера/Inspector's stamp |
| Термообработаны на твердый раствор,<br>травленные и пассивированные /<br>annealed , pickled and passivated HFD |                                    |
| наружный диаметр (OD) -0/+2%   |                                    |
| внутренний диаметр (ID) -2/+0%   |                                    |
| (OD) -0/+2%  |                                    |
| (ID) -2/+0%  |                                    |

| COPTAMENT/RANGE OF SIZES   |                            |                              |                 |                                  |                                       |  | Гидроис-<br>тания/<br>Hydr. Te<br>Bar |
|----------------------------|----------------------------|------------------------------|-----------------|----------------------------------|---------------------------------------|--|---------------------------------------|
| Номер<br>партии/<br>Lot No | Марка стали/Steel<br>grade | Номер<br>плавки/<br>Heat No. | Штук/<br>Pieces | Метраж/<br>Total<br>Length,<br>m | Вес<br>нетто, кг/<br>Netweight,<br>kg | Размеры/<br>Dimensions,<br>mm          |                                       |
| 880                        | TP304/TP304L               | 94787                        | 5               | 17,96                            | 1808                                  | OD 200 x 160 ID x 20 WT<br>x 2500-3750 | -                                     |
| 880                        | TP304/TP304L               | 94787                        | 3               | 11,12                            | 1116                                  | OD 200 x 160 ID x 20 WT<br>x 2500-3750 | -                                     |
|                            |                            | TOTAL                        | 8               | 29,08                            | 2924                                  |  |                                       |

N/Ref.: P/O: 912672 / STOCK

FOURN: SUPPLIER CENTRALIS SALES SWITZERLAND

PLAN: DWG 250810-1

ITEM: 2

Data/date 13.05.2010

инспектор/ inspe

Article: L00002L7565

E. Bauche Laminar Ø200 x Ø160  
inox 304 1304L

|   |   |                |                   |
|---|---|----------------|-------------------|
| Требования Сертификата /<br>Inspection Certificate/<br>EN 10204/3.1 | Сертификат приемочных испытаний №/<br>Material Test Certificate No. 2010/1532 | Лист/Page<br>2 | Листов/Pages<br>2 |
|---|---|----------------|-------------------|

**РЕЗУЛЬТАТЫ ИСПЫТАНИЙ / TEST RESULTS**  
**МЕХАНИЧЕСКИЕ ИСПЫТАНИЯ / MECHANICAL TESTS**

| Партия<br>номер/<br>Lot No. | Номер<br>плавки/<br>Heat No. | №<br>образца<br>испытаний<br>Specimen<br>No. | Направление<br>испытаний /<br>Test<br>direction | Температура<br>испытаний/<br>Test<br>Temperature,<br>°C | Предел<br>текучести/<br>Yield<br>strength,<br>0,2% | Предел<br>текучес-<br>ти/<br>Yield<br>strength,<br>1,0% | Прочность<br>при растя-<br>жении/<br>Tensile<br>strength | Удлине-<br>ние/Elon-<br>gation<br>L <sub>e</sub> =2'',% | Твердость/<br>Rockwell<br>Hardness,<br>HRB |
|-----------------------------|------------------------------|--|---|---|--|---|--|---|--|
| 880                         | 94787                        | 1  | L   | 20°   | 242  | -   | 584  | 55  | -  |
|                             |                              | 2  |   |   | 232  | -   | 567  | 56  | -  |
| 880                         | 94787                        | 1  |   |   | 242  | -   | 584  | 55  | -  |
|                             |                              | 2  |   |   | 232  | -   | 567  | 56  | -  |

**ТЕХНОЛОГИЧЕСКИЕ ИСПЫТАНИЯ / DUCTILITY TESTS**

сплющивание – удовлетворительно.  
flattening – acceptable.

**ИСПЫТАНИЯ НА МЕЖКРИСТАЛЛИТНУЮ КОРРОЗИЮ / INTERGRANULAR CORROSION TEST**

не проводилось  
n/a

**НЕРАЗРУШАЮЩИЙ КОНТРОЛЬ / NON-DESTRUCTIVE TEST METHOD**

100% ультразвуковой контроль – удовлетворительно  
100% ultrasonic test - acceptable

Эксцентриситет (отклонение центра) максимум 10% от номинальной толщины стенки.  
Excentricity max. 10% of average w.t.

Термообработаны. Режим термообработки -1080°C, охлаждение в воде 5 минут./  
Tubes are heat treated: 1080°C holding time 5 minutes then cooled by water

Визуальный контроль, проверка размеров и несмешивание марок – соответствует  
**VISUAL INSPECTION, DIMENSIONAL MEASUREMENT AND POSITIVE MATERIAL IDENTIFICATION - SATISFACTORY.**

Трубы на момент погрузки не содержат Ртуть, Радий, Альфа частицы и легкоплавкие элементы.  
The tubes when shipped are free from contamination by Mercury, Radium, Alpha Source and low melting elements.

В процессе производства, монтажа и тестирования ртуть, ртутные смеси и оборудование с содержанием ртути не были использованы ни одним из способов, что могло бы привести к ее содержанию в трубах.  
No mercury, mercury compounds or mercury bearing instruments and/or equipment have been used in any manner that might have caused contamination in manufacture, assembly or test of the material.

Трубы не ремонтировались сваркой.  
No weld repair.

ЗАО «СЕНТРАВИС ПРОДАКШН УКРЕЙН» гарантирует, что трубы, указанные в данном сертификате качества, были произведены в соответствии с требованиями заказа.  
CENTRAVIS PRODUCTION UKRAINE CJSC declares that the tubes described herein have been manufactured in accordance with the order requirements.

**ДОЛЯ ХИМИЧЕСКИХ ЭЛЕМЕНТОВ % / CHEMICAL COMPOSITION, %**

| Номер<br>плавки/<br>Heat No. | C     | Mn   | Si   | P     | S     | Cr    | Ni    | Mo | B | N | Cu |
|------------------------------|-------|------|------|-------|-------|-------|-------|----|---|---|----|
| 94787                        | 0,025 | 1,03 | 0,32 | 0,028 | 0,025 | 18,48 | 10,14 |    |   |   |    |

Дата/date 13.05.2010

инспектор/

## Ets PACON

ZI des Chanoux  
7 Rue des Frères Lumière  
93330 Neuilly sur Marne

Tél : 01 41 54 11 68

Fax : 01 41 54 11 69

Email : [etspaconsa@free.fr](mailto:etspaconsa@free.fr)

N/Réf.: P/O: 4513295861 SDBL  
FOURN: SUPPLIER BAPIZ  
09 NOV. 2021  
PLAN: DWG  
ITEM:

SONC SSL DN'LSO  
ARTICLE: 601793

CERTIFICAT D'ANALYSE 10204 3.1

N° de Cde : 209969

N° de coulée : 10459363

TYPE : AISI 316 L

NORME : 1,4404

DIAMETRE : 2.00

EN 10270-3

mini : 2,003

maxi :

REVETEMENT :

composition chimique du lot :

|              |              |              |               |               |               |               |
|--------------|--------------|--------------|---------------|---------------|---------------|---------------|
| %C           | %Si          | %Mn          | %P            | %S            | %Cr           | %Ni           |
| 0,03max      | 1,00max      | 2,00max      | 0,045max      | 0,03max       | 16,5/18,5     | 10/13         |
| <b>0,019</b> | <b>0,493</b> | <b>0,653</b> | <b>0,0259</b> | <b>0,0005</b> | <b>16,570</b> | <b>11,067</b> |
| %Mo          | %N           | %Al          | %Ti           | %Cu           |               |               |
| 2/2,5        | 0,1max       |              |               |               |               |               |
| <b>2,032</b> | <b>0,025</b> |              |               |               |               |               |

RESISTANCE NORME: 1400/1610 N/mm<sup>2</sup>

RESISTANCE DU LOT : 1564/1596 N/mm<sup>2</sup>

ISSU D' USINE ISO 9001

COPIE D'ORIGINAL EMIS PAR ORDINATEUR

Nous certifions que la matière citée ci-dessus a été fabriquée conformément aux spécifications techniques en vigueur,

Produit conforme à la réglementation REACH

### Le responsable qualité

P2 316 L Economi 151021-1 → 85,2 kg  
 " " " " " - 2 → 41,8 kg





RESSORTS ET ARTICLES EN FIL  
ZAE LABAURIE  
24800 EYZERAC

**RAPIC**  
ARTICLES FORMÉS

N° Siret **30200413000035**  
N.A.F. **2593Z**  
N° intracommunautaire **FR04302004130**

Tél. **+33 5 53 55 10 22**  
Fax **+33 5 53 62 09 09**  
email **contact@rapic.com**  
Site WEB **www.rapic.com**



AQSEPTENCE GROUP SAS  
ZONE INDUSTRIELLE

86530 AVAILLES EN CHATELLERAULT

## Déclaration de conformité Statement of conformity (NF L00-015)

N° commande : **4500329586**  
Order nb  
Date commande : 05/10/2021  
Order date

Lot de fabrication 0000037489-0  
Batch nb

Désignation : Traction 2 316L ext7 lg 610  
Product description  
Numéro plan : **TR2X7X610-316L**  
Drawing nb

Ref client : 601793  
Customer ref  
Réf Rapic : TRA2 7 610 001  
Rapic ref

Quantité : 100.00  
Quantity

Différences théoriques recalculées par rapport à vos spécifications, constatées et signalées à la commande :  
**Revised specifications and discrepancies necessary to fulfill both drawing and production requirements**  
Rien à signaler

Observation  
Remarks

**BORDEREAU DE LIVRAISON N°** 138584  
**DELIVERY ORDER NB**

cde soldée  
order settled

cde partielle  
partial delivery

Nous déclarons que la fourniture citée est conforme aux exigences du contrat et que, après vérifications et essais, elle répond en tout point, aux exigences spécifiées, aux normes et règlements applicables, sauf exceptions, réserves ou dérogations énumérées dans la présente déclaration de conformité.

We hereby declare, barring exceptions, reservations or exemptions listed in this statement of conformity that the listed supplies comply with the contract requirements and that after completion of testing and verification, they completely satisfy all specified requirements, and applicable standards and regulations.

rayez la mention inutile / cross off as appropriate

**CONTROLE FOURNISSEUR**  
**SUPPLIER CONTROL**

Date : 08/11/2021

Nom :  
Name

Signature

[illegible]



|   |   |                               |
|---|---|-------------------------------|
|  | <b>CERTIFICAT DE CONFORMITE</b><br><b>AUX STIPULATIONS D'UNE COMMANDE</b><br><b>CERTIFICATE OF CONFORMITY</b><br><b>TO THE STIPULATIONS OF AN ORDER</b> | N° DE CERTIFICAT:<br>2021-017 |
| ZA des Potiers<br>Route de Gisors<br>60000 GOINCOURT                              | Tel: 03.44.15.12.00<br>Fax: 03.44.15.00.88<br>Eladis@wanadoo.fr   | Page 1/1                      |

**Client : AQSEPTENCE GROUP**

**Numéro de la commande ou du marché : 4500319138**

Renseignements particuliers aux fournitures livrées, notamment la référence des dérogations accordées / *Information particular to the suppliers delivered* : NEANT

| Référence<br>Type                                       | Description du matériel<br>Description  | Quantité<br>Quantity | Numéro de lot<br>Batch number | Autres<br>renseignements<br>Other information |
|---|---|----------------------|-------------------------------|---|
| Code Eladis :<br>ML00353<br><br>Code client :<br>601792 | Joint JSL DN150<br>Ø 168 x tore 6mm<br><br>En EPDM "SUNAFLEX"<br>T8165 toutes<br>homologations eau potable<br>en cours de validité, selon<br>dossier technique en votre<br>possession, EN 681-1, ACS,<br>BS 6920, KTW D1-D2,<br>W-270, B5014, NSF (USA) | 250p                 | 5817/061020                   |   |

Numéro et date du bordereau de livraison : 8166 du 02/09/2021

*Number and date of delivery note*

Nous certifions que, sauf exceptions ou dérogations énumérées ci-dessus, la fourniture citée a été fabriquée conformément aux spécifications techniques du marché, commande ou sous commande du client et que toutes les opérations de contrôle et d'essais ont été effectuées. Elle répond SOUS TOUS LES ASPECTS aux spécifications particulières d'AQSEPTENCE GROUP, aux plans ainsi qu'aux normes et règlements en vigueur s'y rapportant.

*We certify that, subject to exceptions or concessions listed above, the supplies detailed here were manufactured in accordance with the technical specifications of the contract, order or sub-order and that, all inspection, operations and tests having been completed, the supplies comply IN EVERY RESPECT with the relevant particular specifications, drawings and relevant standards and regulations in force.*

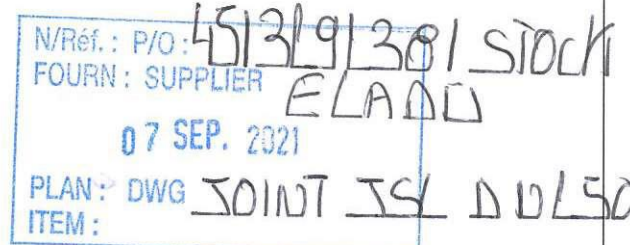
**CONTROLE FOURNISSEUR**

*SUPPLIER'S INSPECTION*

Nom et fonction : Claudine HANNICQ / ADV

Date : 02/09/2021

Signature :



SOUS SSL DN150 Article: 601792