



Acciaierie Valbruna s.p.a.

36100 VICENZA (Italia) - Viale della scienza, 25 z.l.
Telefono 0444.968211 - Fax 0444.968338
Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4/37
Telefono 0471.924111 - Fax 0471.924487

CERTIFICATO DI COLLAUDO - ABNAHMEPRUEFZEUGNIS - INSPECTION CERTIFICATE - CERTIFICAT DE RECEPTION

In conformità a: EN 10204 (2004) , 3.1 / ISO 10474 (2013) , 3.1

Certificato nr. MEST756521 / 2021 /
Prüfung/Test/Essai

Cliente / Besteller/Purchaser/Cliant
VALBRUNA STAINLESS INC.
2400 TAYLOR STREET WEST
46801 - FORT WAYNE, IN 46801 - US

Stato di fornitura : Hot rolled Descaled Annealed Hot rolled
Lieferzustand
Delivery state
Etat de livraison

Prodotto da :
Hersteller/fabrik/Lesne produtrice

Ordine nr: 71392 STOCK LAWRENCEV
Bestell
Your order
Commande

Tipo di Elaborazione: E+AOD
Erschmelzungsart
Melting process
Mode d'elaboration

Marchi di Fabbrica:
Zeichen des Lieferwerkes
Trade marks
Siglas de fusine productrice

Conferma ordine nr: EI21004830
Werk-/Our Order/Ref nr.

Qualità: 304/304L
Werkstoff/Grade/Nuance

Punzone del Collaudatore:
Stempel des Werkssachverständigen
Inspector's stamp/Poinçon de l'essayeur

Avviso di Spedizione: D-VI21014812
Lieferanzeige/Packing list/B.L.

Marca: AISI
Markenbezeichnung
Brand / Nuance

Punzonatura: 304/304L
Kennzeichnung
Marking
Marquage

SPECIFICHE :
Anforderungen / Requirements / Exigences

Note:
Aufzeichnungen / Notes / Notes

VSI 0 304/304L A
AISI 304/304L
AMS 5639 J S30400 A
AMS 5647 K S30403 A
AMS-QQ-S-763 D 304/304L A
ASME SA182 2019 S30400/03 A (0)
ASME SA183 2019 B8 CLASS 1 (1)
ASME SA276 2019 S30400/03 A (2)
ASME SA320 2019 B8 CLASS 1 CLASS1 (3)
ASME SA479 2019 S30400/03 A (4)
ASTM A182 2020 S30400/03 A (5)
ASTM A193 2020 B8 CLASS 1
ASTM A262 PR. E 2015 304/304L
ASTM A276 2017 S30400/03 A
ASTM A314 2019 S30400/03
ASTM A320 2018 B8 CLASS 1
ASTM A473 2019 S30400/03 (6)
ASTM A479 2020 S30400/03 A
MIL-S-862 B/1 304/304L
NACE MR0103 2015 S30400/03 A (7)
NACE MR0175 2015 S30400/03 A (8)
QQ-S-763 F 304/304L A

(0)Section II Part A 2019 EDITION For products machined directly from bar refer to ASME SA479.
(1)Section II Part A 2019 EDITION
(2)Section II Part A 2019 EDITION
(3)Section II Part A 2019 EDITION
(4)Section II Part A 2019 EDITION
(5)For products machined directly from bar refer also to ASTM A479.

(6)Chemical analysis only.

(7)ANSI/NACE MR0103/ISO 17945 November 23, 2015
(8)ANSI/NACE MR0175/ISO 15156-3, third edition November 23,2015

		Tolleranza: ASTM A484-20B TABLE 13						
		Tolleranza/Allowance/Tolérance						
Pos. nr. Pos. nr. Item nr. Nr. de position	Oggetto Object/Item Product description Descrip. du produit	Dimensioni - In Abmessungen Dimension Dimension		Lunghezza - In Length Length Longueur	Colata Schmelze Heat Coulée	Pezzi Stücken Pieces Pièces	Peso - LB Weight Weight Poids	Lotto nr. Lot nr. Lot nr. Lot nr.
0030	Angle Shape	2,0000 x	2,0000 x 0,2500	240/ 246	286106		20.227	113413220

QUALITY MANAGEMENT SYSTEM CERTIFIED BY LLOYD'S REGISTER ACCORDING TO ISO 9001 : 2015, IATF 16949 : 2016, AS 9100D			
Vicenza, 10/06/2021 VCQ052 - MEST756521	Direzione Qualità Quality Management/Quality Management/Qualität R.BERTELLI	Direzione Prodotto Product Management/Product Management/Direction Produit P.MESSORI	Pagina 1 di 3



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36100 VICENZA (Italia) - Via della scienza, 25 z.l.
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Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4/37
Telefono 0471.824111 - Fax 0471.824497

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Nach/According to/Selon

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VALBRUNA STAINLESS INC.
2400 TAYLOR STREET WEST
46801 - FORT WAYNE, IN 46801 - US

Stato di fornitura: Hot rolled Descaled Annealed Hot
Lieferzustand: rolled
Delivery state:
Etat de livraison:

Produttore:
Hersteller/Item/Usine productrice

ACCIAIERIE VALBRUNA S.P.A.

Ordine nr: 71392 STOCK LAWRENCEV
Bestell:
Your order:
Commande:

Tipo di Elaborazione: E+AOD
Erzeugnisart:
Melting process:
Mode d'elaboration:

Marchi di Fabbrica:
Zeichen des Lieferwerkes:
Trade marks:
Sigles de l'usine productrice:



Conferma ordine nr: EI21004830
Werkst./Our Order/Ref nr.

Qualità: 304/304L
Werkstoff/Grade/Qualite:

Punzone del Collaudatore:
Stempel des Werkstoffverständigen:
Inspector's stamp/Pointon de l'essayeur:

MR

Avviso di Spedizione: D-VI21014812
Lieferanzeige/Packing list/B.L.

Marca: AISL
Markenbezeichnung:
Brand / Nuance:

Punzonatura: 304/304L
Kannzeichnung:
Marking:
Marquage:

TEST ALLO STATO DI FORNITURA											
Test on delivery condition Prüfung auf lieferbarem produkt test a l'etat de fourniture Prueba sobre el material así como entregado											
1) L=longitudinale/long, T=transversale/quers, C=Transversale/tangentiale											
TEST	Provetta/ Probe Spezimen/Éprouvette Larg. diam. Spec. Brute diam. Dicke Width diam. Thickness Larg. diam. épais mm	°F	Posiz. Sogget. Position Déplacement 1)	Snervamento Streckgrenze Yield Stress Unité élastique Rp 0,2% k.s.i.	Snervamento Streckgrenze Yield Stress Unité élastique	Resistenza Zugfestigkeit Tensile strength Résistance à traction Rm k.s.i.	Allungamento Bruchdehnung Elongation Allongement E 4d %	Strizione Bruchdehnung Reduction of area Striction RA %	Resilienza Kerbschlagarbeit Impact Value Resilience	Durezza Härte Hardness Dureté HB	
Valori richiesti		min		30	-	75	-	40	-	50	140
Anforderungen/Requisits values		max				115					235
A	20X6,3	68	L	48		92		47		65	199
Anforderungen/Requisits values											

TEST ALLO STATO DI FORNITURA			
Test on delivery condition / Prüfung auf lieferbarem produkt / Test a l'etat de fourniture / Prueba sobre el material así como entregado			
TEST		min	max
A	Grain size for ASTM E112		6

Analisi chimica													
Chemische Zusammensetzung/Chemical Analysis/Analyse chimique													
Colata /Heat	min	-	-	18,00	-	-	8,00	-	-	0,020	-	-	-
Schmelze/Couée	max	0,030	1,00	20,00	1,00	1,00	10,50	-	0,040	0,030	0,100	-	-
	C %	Si %	Mn %	Cr %	Mo %	Cu %	Ni %	Co %	P %	S %	N %		
286106	0,019	0,47	1,66	18,29	0,51	0,54	8,14	0,140	0,028	0,023	0,079		

Corrosion test in 16% sulfuric acid and copper sulfate solutions							
Test standard: ASTM A262-Practice E							
Test	Heat treatment before test	Length of Period (h)	Test temp (°C)	Bend Angle (°)	Ø spindle (mm)	Result of visual inspection at 20 x magnification after bend test	Result
Intergranular corrosion	Sensitization	15	boil	180	5	Absence of cracks	SATISFACTORY

Produced without class I-II Ozone depleting substances.
Solution heat treated free from continuous carbide network.
Micro and macro etch test: OK.
Reduction ratio = 54,0 : 1
Material annealed 1940°F for 0.5h/water cooled.
Material is DFARS Compliant

Sono state soddisfatte tutte le condizioni richieste
Die gestellten Anforderungen sind lt. Anlage erfüllt
The material has been furnished in accordance with the requirements
Le matériel a été fourni conforme aux exigences

Controllo antimiscelazione con tecnica XRF/OES portatile : OK
Verwechslungsprüfung: durch XRF/OES Gerät geführt.
Antimixing testing performed with XRF/OES portable : OK
Contrôle antimélange env technique XRF/OES portable : OK

Controllo visivo e dimensionale: soddisfa le esigenze
Besichtigung und Ausmessung: ohne Beanstandung
Visual inspection and dimensional checks: satisfactory
Contrôle visuel et dimensionnel: satisfaisant

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Lieferzustand
Delivery state
Etat de livraison
rolled

Produttore:
Hersteller/Item/Usine productrice

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Your order
Commande

Tipo di Elaborazione: **E+AOD**
Erzschmelzungsart
Melting process
Mode d'élaboration

Marchi di Fabbrica:
Zeichen des Lieferwerkes
Trade marks
Sigles de usine productrice



Conferma ordine nr: **EI21004830**
Works/Our Order/Ref nr.

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Melted, poured and manufactured in Italy No welding or weld repair Material free from Mercury contamination

We declare that the finished product is checked for radioactive contamination by the portal system when it leaves the production plant.

The Quality Management System is also Certified according Pressure Equipment Directive 2014/68/EU Annex 1, chapt.4.3 by TÜV and LLOYD'S
Any act of tampering, modification, alteration, counterfeiting and/or falsification and/or any other action which modifies the contents of this test certificate shall constitute a violation of applicable civil and criminal laws. Acciaierie Valbruna shall protect its rights and interests before any competent court, authority and jurisdiction.
Maximal and/or Valplus grades/products are manufactured with ladle techniques to control composition, distribution, size and shape of non-metallic inclusions for improved machinability.

The supplied product conforms to requirements expressly requested by the purchaser and conforms to requirements specified by certified norms and standards. Should the product be used for more severe, critical and/ or in any case different applications than those the material is generally intended for, any different and/or supplementary requirements shall be specifically demanded, at least, upon order of the Product by the Purchaser. Acciaierie Valbruna SpA shall not be responsible for any improper use of the Products.

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