



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

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

Certificato nr. **MEST262352 / 2018 /**  
 Prüfung/Test/Essai

Cliente / Besteller/Purchaser/Client  
**VALBRUNA U.K. LTD.**  
**OLDBURY ROAD**  
**B70 9BH - WEST BROMWICH B70 9BH GB -**  
**GB**

Stato di fornitura: **Hot rolled - Annealed COLD**  
 Lieferzustand  
 Delivery state  
 Etat de livraison  
**PROCESSED**

Produttore:  
 Hersteller/Item/Usine productrice

**ACCIAIERIE VALBRUNA S.P.A.**

Ordine nr: **802054132 Manchester Stoc**  
 Bestell  
 Your order  
 Commande

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

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



Conferma ordine nr: **EI18001935**  
 Werks/Our Order/Ref nr.

Qualità: **1.4401/1.4404/316/316L**  
 Werkstoff/Grade/Nuance

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

**MR**

Avviso di Spedizione: **D-VI18016758**  
 Lieferanzeiger/Packing list/V.B.L.

Marca: **MVAPML MAXIVAL**  
 Markenbezeichnung  
 Brand / Nuance

Punzonatura: **1.4401/4/316/L**  
 Kennzeichnung  
 Marking  
 Marquage

### 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	<b>SATISFACTORY</b>

### Corrosion test in 16% sulfuric acid and copper sulfate solutions

Test standard: **UNI EN ISO 3651-2 Method A**

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	Sensitized T1	20	boil	90	5	Absence of cracks	<b>SATISFACTORY</b>

Reduction ratio = **36,8 : 1**

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 trouvé conforme aux exigences

Controllo antimiscelanza: **OK**  
 Verwechslungsprüfung: spektralanalytisch durchgeführt  
 Antimixing testing performed: **OK**  
 Contrôle entremelange fait: r.a.s.

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

Melted 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 through Portal System when it leaves the production plant.

**QUALITY MANAGEMENT SYSTEM CERTIFIED BY LLOYD'S REGISTER ACCORDING TO ISO 9001 : 2015, IATF 16949 : 2016, AS 9100D**

The Quality Management System is Certified acc. Pressure Equipment Directive [97/23/EC] Annex 1, s., 4.3 and 2014/68/EU by TUEV 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.

Maxival 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.

**FLOW TECHNOLOGY LTD**  
**TEST CERTIFICATE**  
**VERIFIED TRUE**  
**COPY OF ORIGINAL**

F14392

3/8" MEDIUM PRESSURE FEMALE X 1/4" NPT FEMALE 20K 316L

Vicenza, 15/06/18

VQC008 - MEST262352

(Mod. MCE2)

WSPF4BAC888F4DD7A308919023004

Il collaudatore di stabilimento / der Werksachverständige / Works Inspector / L'agent d'usine

**M. RIZZOTTO**

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