



MUSSARI S.r.l.
 Trafierna tubi inox di alta precisione
 Via Repubblica 11/8 - Tel. 031/390677 - 031/492476
 Fax 031/390010
 22075 LURATE CACCIOLICOMO (ITALY)
 web-site: www.mussari.com

FLOW TECHNOLOGY LTD
TEST CERTIFICATE
VERIFIED TRUE
COPY OF ORIGINAL

TEST CERTIFICATE ACCORDING TO
EN 10204 / 3.1
ABMÄßPRÜFZEUGNIS
CERTIFICAT D'ESSAIS
CERTIFICATO DI COLLAUDO

N. **715 - 2014**
 DATE - Datum/Date **20 febbraio 2014**

CUSTOMER ORDER N° - Bestellung/Commande Clienti **2013251**
 Comm. Int. Nr. **31/14**
 DELIVERY BILL - Lieferchein/Bulletin de Livraison/Bolita di consegna **475**

STEEL GRADE	DIMENSIONS	QUANTITY	MECHANICAL TEST				SPECIFICATIONS				
			YIELD POINT	TENSILE STRENGTH	ELONGATION	HARDNESS	ASTM A213/269 - HP Tubes - Butech Spec. 2000	TECHNOLOGICAL TEST			
Material	Abmessungen	Menge/Quantità/Quantità	Stress-Dehnungs Linie d'elasticità	Zugfestigkeit Resistenz à traction	Bruchdehnung Allungamento	Brinell	Hardness	Flange Test	Flattening Test	Bending Rev. Test	Drift Expanding Test
			Linea d'elasticità	Linea d'elasticità	Alungamento	Brinell	Brinell	Flange Test	Flattening Test	Bending Rev. Test	Drift Expanding Test
			RP1.0%	RP1.0%	% LO2	RP1.0%	RP1.0%	Flange Test	Flattening Test	Bending Rev. Test	Drift Expanding Test
			req.	req.	req.	req.	req.	Flange Test	Flattening Test	Bending Rev. Test	Drift Expanding Test
			result	result	result	result	result	Flange Test	Flattening Test	Bending Rev. Test	Drift Expanding Test
TP 316 - 316L	9/16" x 0.312"	902.55	2 517	2 724	22%	23.0	95	98.0	101.0	=	=
			983.9	1198.0	22.0	22.0	95	98.0	101.0	=	=
			994.0	1204.1	22.0	22.0	95	98.0	101.0	=	=
			RP1.0%MIN/MIN2								
			req.	req.	req.	req.	req.				
			result	result	result	result	result				

100% hydrostatic pressure tested at 90,000 PSI During 30 sec : GOOD
 Vesserdrukversuchsstat Hydraulic/Prova idraulica
 100% eddy current test acc to A1016-NFA 49872-SEP 1914-ASTM A450E/428-EN 10983-1-EN 10983-2-EN10246-1 : GOOD
 Eddy current/Contrôle de Foucaill/Eddy Current

Visual and Dimensional Control : OK
 Spatightness control / Gewerbet Kontroll/Kontrolle de rectitude/Controlo rectitudinal
 =

MSR ASTM A213/269 TP 316-316L HP Tubes Suit For 20,000 Psi Size 9/16" x 0.312" C.D. Heat Nr. Butech Spec. 2000
 We certify that the material described has been manufactured acc. With above standards and specifications and satisfies the order's requirements.
 Wir besorgen, dass die gefertigte Ware den Besondereigenschaften entspricht/Nous attestons que les produits livrés sont conformes aux références de la commande/Il est attesté que le matériel spécifié est conforme à l'ensemble des références descriptives.

INSPECTION DEPARTMENT SIGNATURE
 Urtara, Dns Verkesterstandigen
 Via de L'inspecteur
 Vars conpote el Qualit
MUSSARI S.r.l.