Customer	Delivery Address
Flow Technology Ltd Half House Lane Hove Edge Brighhouse West Yorkshire HD6 2PH	Flow Technology Ltd Half House Lane Hove Edge Brighhouse West Yorkshire HD6 2PH

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OFFSHORE STAINLESS SUPPLIES LTD.
Supplier of 1.4003 and producers of specialist stainless and high nickel products

Report No. 027501
Test No. oss002431
Despatch Note No. 054918

Our Ref. 099537
Customer PO No. 012608/JS

Date 26/07/16
Specification AISI 316/316L Cold Drawn & Linished

TEST CERTIFICATE

Item	Quantity	Weight Kg	Part No.	Heat No.	Batch No.	Description
001		194 Total		56160271	F58336	2" x 1.1/2" flat bar to h11 tols 12 metres 2". x 1 1/2" Flat @ 3m Randoms

A. HEAT TREATMENT SUPPLY CONDITION
B. TEST PIECE TREATMENT CONDITION
Solution annealed prior to cold drawing

MELTING PRACTICE

Rotech report 154378 refers

TEST COUPON SIZE

Tensile Tests — Units N/mm2

Temp °C	*	0.20% Proof Result	0.20% Proof Spec-Min	Maximum Stress Result	Maximum Stress Spec-Min	%Elong 4D Result	%Elong 4D Spec-Min	% Reduction of Area Result	% Reduction of Area Spec-Min
20		576	225	692	490	36.3	30	72	40

Impact Tests

Temp °C	*	ENERGY 1	ENERGY 2	ENERGY 3	ENERGY MIN	ENERGY AV	SHEAR % 1	SHEAR % 2	SHEAR % 3	SHEAR % MIN	SHEAR % AV	LATERAL EXPANSION 1	LATERAL EXPANSION 2	LATERAL EXPANSION 3	LATERAL EXPANSION MIN	LATERAL EXPANSION AV

Hardness: 212 HBW

Component Hardness

Heat No.	C	Si	Mn	P	S	Cr	Mo	Ni	Al	Cu	Co	N	Ti	Nb
56160271	0.015	0.510	1.500	0.028	0.028	16.660	2.030	10.100	0.006	0.400	.0247	0.054	0.003	0.038

Material free from mercury contamination during manufacturing process.
Material free from radioactivity and inspected during manufacture.
In accordance with EN 10204 3.1

Signature

Position
Commercial Manager

FLOW TECHNOLOGY LTD
TEST CERTIFICATE
VERIFIED TRUE
COPY OF ORIGINAL

F11445
1/2" NPT F/F 90° Elbow 10K