

**Customer**  
 Flow Technology Ltd  
 Half House Lane  
 Hove Edge  
 Brighnhouse  
 West Yorkshire  
 HD6 2PH

**Delivery Address**  
 Flow Technology Ltd  
 Half House Lane  
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 West Yorkshire  
 HD6 2PH

Toll Port  
 Litchfield Road  
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Report No. 033073  
 Test No. oss002480  
 Despatch Note No. 057863  
 Our Ref. 102333  
 Customer O/No. 013456  
 Date 07/03/17  
 Specification Stainless Steel Cold Drawn Bar 316  
 Finished

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**TEST CERTIFICATE**

Item	Quantity	Weight Kg	Part No.	Heat No.	Batch No.	Description
001	75	Total		56160593	F59854	6 metres 2" x 1" Flat bar

A. HEAT TREATMENT SUPPLY CONDITION Solution Annealed Prior To Cold Drawing  
 B. TEST PIECE TREATMENT CONDITION  
 MELTING PRACTICE  
 TEST COUPON SIZE  
 SGS Test report - BAR170499

Tensile Tests				Units	Impact Tests				Hardness						
Temp °C	0.20% Proof Result	Maximum Stress Result	%Elong 4D Result	N/mm <sup>2</sup>	ENERGY			SHEAR %	LATERAL EXPANSION	HRC					
20	545	671	41	30	1	2	3	MIN	AV	1	2	3	MIN	AV	24.5
	Spec-Min 200	Spec-Min 500	Spec-Min 30												

Component Hardness

Heat No.	C	Si	Mn	P	S	Cr	Mo	Ni	Al	Cu	Co	N	Ti	Nb
56160593	0.019	0.480	1.500	0.033	0.027	16.740	2.030	10.100	0.005	0.440	0.338	0.051	0.003	0.044

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

F12031  
 3/8" Medium Pressure Female 90° Elbow 20K