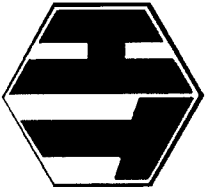


Customer
 FLOW TECHNOLOGY LTD
 HALF HOUSE LANE
 HOVE EDGE
 BRIGHOUSE
 WEST YORKS. HD6 2PH

Delivery Address
 FLOW TECHNOLOGY LTD
 HALF HOUSE LANE
 HOVE EDGE
 BRIGHOUSE
 WEST YORKS. HD6 2PH

FLOW TECHNOLOGY LTD
 TEST CERTIFICATE
 VERIFIED TRUE
 COPY OF ORIGINAL



HI-TECH
 Special Steels Limited
 Rotherham Road, Loughborough Common,
 Dinnington, Sheffield S25 5PH
 Tel: Dinnington (01959) 564545
 Fax: No (01959) 550682

Report No. **040019** Our Ref. **102218** Date **12/06/17**
 Test No. **326901** Customer PO No. **013878/JS** Specification **BS EN 10088-3 1.4404**
 Despatch Note No. **054778**

Page 1 of 1
TEST CERTIFICATE

Item	Quantity	Weight Kg	Part No.	Heat No.	Batch No.
001	4	94.0		561638	P217403
		Total			

Description
 1.1/2" X 1" FINISHED BAR
 CONFORMING TO NACE MR0175
 12 METRES

A. HEAT TREATMENT SUPPLY CONDITION
B. TEST PIECE TREATMENT CONDITION
 MELTING PRACTICE AOD TEST COUPON SIZE

Tensile Tests				Units MPa			Impact Tests			Hard- ness						
Temp °C	0.20% Proof Result	Spec-Min	Maximum Stress Result	Spec-Min	%Elong 50MM Result	Spec-Min	% Reduction of Area Result	Spec-Min	Temp °C	ENERGY	SHEAR %	LATERAL EXPANSION	Hard-ness			
20	L	541	200	721	500	36	30	64	45	1	2	3 MIN AV	1	2	3 MIN AV	21.7
																HRC

Component Hardness

Heat No.	C	Si	Mn	S	P	Cr	Ni	Mo	Cu	Ti	Co	N
561638	0.019	0.540	1.460	0.028	0.035	16.920	10.090	2.040	0.460	0.002	0.272	0.058

* Test Direction: L = Longitudinal; T = Transverse
 TEST CERTIFICATE in accordance with BS EN 10204 3.1 / ISO 10474 3.1
 Certified that the whole of the supplied detailed hereon, unless otherwise stated, are covered by the Sources Certificate of Conformity/Test Certificate referenced hereon, and has been supplied to the Quality System requirements in accordance with the conditions of our BS// BS EN ISO 9001 2008 registration for lot traceable products.

Signature

Position
 Quality Controller

F12749
1/4" NPT F/F 90° Elbow 10K