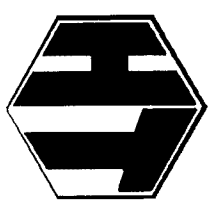


Customer
 FLOW TECHNOLOGY LTD
 HALF HOUSE LANE
 HOVE EDGE
 BRIGHOUSE
 WEST YORKS. HD6 2PH

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



HT-TECH
 Special Steels Limited

Report No. 0417715 Our Ref. 103198 Date 11/12/17
 Test No. 351267 Customer PO No. 014608/JS Specification BS EN 10088-3 1.4404
 Dispatch Note No. 056157

TEST CERTIFICATE

| Item | Quantity | Weight Kg | Part No. | Heat No. | Batch No. | Description |
|------|----------|-----------|----------|----------|-----------|---|
| 001 | 4 | 235.0 | | | P220660 | 2.1/2" X 1.1/2" LINED BAR CONFORMING TO NACE MR0175 12 METRES |
| | | Total | | | | |

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

| Tensile Tests | | | | Units | | | Impact Tests | | | Hardness | | | | |
|---------------|-------------|----------------|-------------|---------------------|---------|--------|--------------|-------|---------|----------|-------------------|-------|----|--|
| Temp °C | 0.20% Proof | Maximum Stress | %Elong 50MM | % Reduction of Area | Temp °C | ENERGY | | | SHEAR % | | LATERAL EXPANSION | | | |
| | Result | Spec-Min | Result | Spec-Min | | 1 | 2 | 3 MIN | AV | 1 | 2 | 3 MIN | AV | |
| 20 | L | 485 | 200 | 647 | 500 | 42 | 30 | 64 | 50 | | | | | |
| | | | | | | | | | | | 14 | | | |
| | | | | | | | | | | | HRC | | | |

Component Hardness

| Heat No. | C | Si | Mn | S | P | Cr | Ni | Mo | Cu | Ti | Co | N |
|----------|-------|------|------|-------|-------|-------|-------|------|------|-------|-------|-------|
| 56142026 | 0.019 | 0.56 | 1.48 | 0.025 | 0.030 | 16.71 | 10.12 | 2.04 | 0.38 | 0.002 | 0.395 | 0.053 |

* 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 EN ISO 9001 registration for lot traceable products.

Signature _____ Position
 Certification Dept

F12831

3/8" NPT F/F/F Equal Tee 15K