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## INSPECTION CERTIFICATE

(TO BS EN ISO 10204:2004, 3.1)

**Customer:** Flow-Technology Limited  
**WHT Works No:** 19641  
**WHT Job No:** 124349  
**WHT Part No:** L196  
**Customer Order Ref:** 009280/JS  
**Customer Part No:** JEFO-08-10

**Certificate No:** 4181  
**Advice Note No:** 3555662  
**Advised Date:** 22/05/2014  
**Advised Qty:** 1601  
**Part Description:** Elbow 7/8 90 degree forging

**Issue No: 1**  
**Issue No:**

### Chemical Analysis

**Cast Number:** 357244

**Certificate Number:** 161406

**Grain Size:**

**Steel Mill:**

**Material:** 316L

**GRN**

30459

	Carbon	Silicon	Manganese	Sulphur	Phosphorus	Nickel
<b>Chemical Result</b>	0.02	0.36	1.77	0.03	0.03	11.00
<b>Minimum</b>	0.00	0.00	0.00	0.00	0.00	10.00
<b>Maximum</b>	0.03	1.00	2.00	0.03	0.05	13.00

	Chromium	Molybdenum	Nitrogen
<b>Chemical Result</b>	17.15	2.04	0.03
<b>Minimum</b>	16.50	2.00	0.00
<b>Maximum</b>	18.50	2.50	0.11

FLOW TECHNOLOGY LTD

TEST CERTIFICATE

VERIFIED TRUE

COPY OF ORIGINAL

### Mechanical Analysis

**Supplier**

ROTECH LABORATORIES LTD

**Certificate No:**

121775

**GRN:**

30528

Item	Yield Stress	Tensile Strength	Elongation	Hardness
<b>Unit</b>	N/mm <sup>2</sup>	N/mm <sup>2</sup>	%	HBW
<b>Result</b>	205.00	541.00	60.50	122.00
<b>Minimum</b>	205.00	515.00	30.00	0.00
<b>Maximum</b>				

**Condition:-** Shotblast  
**Heat Treatment:-** WHT Quench from forge  
**N.D.T. Information:-** N/A  
**Comments:-** N/A F10220  
1/2" BSPP Cone Seat x 1/2" NPT Male x Male 90° Block Elbow 10K 316L

First 3 digits of cast number are marked on the forging (if required)

We certify that the supplies detailed hereon have been manufactured, inspected and tested and unless otherwise stated conform in all respects with the requirements of the contract or order.

INSPECTORATE STAMP :-

**W H TILDESLEY LTD**  
APPROVED BY  
DESPATCH 001

**Date:** 22-May-2014

For and behalf of W. H. TILDESLEY LIMITED