

**MATERIAL TEST CERTIFICATE**

Inspection Certificate : As per BS EN 10204 : 2004 3.1



**ANOOP FORGINGS PVT. LTD.**

(An ISO 9001 : 2008 Certified Co.)

Factory:

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<b>CUSTOMER:</b>	FLOW TECHNOLOGY LTD	MTR NO.	09 / EXP / 13-14
HALF HOUSE LANE,		DATE	22.08.2013
HOVE EDGE, WEST YORKSHIRE	MATERIAL SPECIFICATION		ASTM A182
BRIGHOUSE, HD6 2PH, UK	GRADE		F316L
	DIMENSIONAL SPECIFICATION		As per your Drawing
	STAINLESS STEEL FORGINGS		TEES & ELBOWS

**ORDER NO. : 008046 / JS DT. 29.04.2013 & 008261 / JS DT. 24.06.2013**

**APPROVED ACCORDING TO AD 2000-MERKBLATT CERTIFIED ACCORDING TO PED (97/23/EC) BY CERTIFICATION BODY OF PRESSURE EQUIPMENT OF TUV NORD REG. NO. 0045**

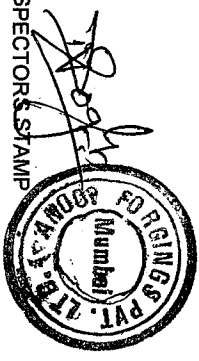
- MELTING PROCESS
- SAMPLE LOCATION
- SELECTION OF SAMPLE
- TEST TEMP & SIZE FOR PHYSICAL TESTING
- TEST TEMP & SIZE FOR CHARPY IMPACT TESTING
- TEST METHOD (TENSILE,IMPACT & HARDNESS)
- HEAT TREATMENT
- DIMENSIONS
- SURFACE INSPECTION
- PMI
- INTER GRANULAR CORROSION TEST
- MICRO OBSERVATION
- MARKING
- RADIOACTIVITY TEST
- MERCURY CONTAMINATION

- :ELECTRIC FURNACE & REFINING THROUGH AOD
- :LOCATION OF SAMPLE T/4 BELOW THE HEAT TREATED SURFACE.
- :TANGENTIAL
- :+20°C & 12.5MM
- :+20°C & 10 X 10 X 55MM
- :AS PER ASTM 370
- :SOLUTION ANNEALED AT 1050° C AND WATER QUENCHED
- :CONFIRM WITH THE SPECIFICATIONS
- :SATISFACTORY
- :NO OBJECTION (100% TESTED)
- :PASSED IGC TEST IN ACCORDANCE WITH ASTM A262 PRACTICE E
- :NO CARBIDE PRECIPITATION OBSERVED ON THE GRAIN BOUNDRIES
- :N/A
- :ALL THE ABOVE MATERIAL IS TESTED FOR RADIOACTIVITY AND FOUND THAT THERE IS NO RADIO-ACTIVE CONTAMINATION.
- :MATERIAL IS PROCESSED IN MERCURY FREE ENVIRONMENT

WE CERTIFY THAT THE MATERIAL DESCRIBED ABOVE HAS BEEN TESTED AND COMPLES WITH THE ORDER/CONTRACT AND IS OF INDIAN ORIGIN

\*\* After Solution Annealing Hardness found less than HRC 22 (237 BHN) according to "NACE MR-0175-2009"

\*\* Anoop Forgings certify that this is a true copy of the original "Mill Test Report" now on file.



F9520

1" BSPP CS MALE X SWIV FEM 10K 90° FORGED ELBOW 316L

FLOW TECHNOLOGY LTD

REV 0

01.04.02

TEST CERTIFICATE  
 VERIFIED TRUE  
 COPY OF ORIGINAL

*(Signature)*

WORKS AUTHORISED INSPECTOR

QAE/FR/12

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