

**MATERIAL TEST CERTIFICATE**

Inspection Certificate : As per BS EN 10204 : 2004 3.1



**ANOOP FORGINGS PVT. LTD.**

(An ISO 9001 : 2008 Certified Co.)

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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 : ELECTRIC FURNACE & REFINING THROUGH AOD

SAMPLE LOCATION : LOCATION OF SAMPLE T/4 BELOW THE HEAT TREATED SURFACE.

SELECTION OF SAMPLE : TANGENTIAL

TEST TEMP & SIZE FOR PHYSICAL TESTING : +20°C & 12.5MM

TEST TEMP & SIZE FOR CHARPY IMPACT TESTING : +20°C & 10 X 10 X 55MM

TEST METHOD (TENSILE,IMPACT & HARDNESS) : AS PER ASTM 370

HEAT TREATMENT : SOLUTION ANNEALED AT 1050° C AND WATER QUENCHED

DIMENSIONS : CONFIRM WITH THE SPECIFICATIONS

SURFACE INSPECTION : SATISFACTORY

PMI : NO OBJECTION (100% TESTED)

INTER GRANULAR CORROSION TEST : PASSED IGC TEST IN ACCORDANCE WITH ASTM A262 PRACTICE E

MICRO OBSERVATION : NO CARBIDE PRECIPITATION OBSERVED ON THE GRAIN BOUNDRIES

MARKING : N/A

RADIOACTIVITY TEST : ALL THE ABOVE MATERIAL IS TESTED FOR RADIOACTIVITY AND FOUND THAT THERE IS NO RADIO-ACTIVE CONTAMINATION.

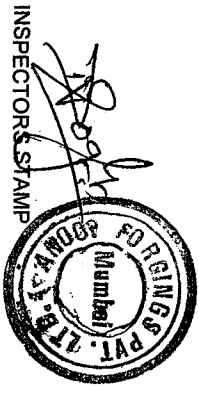
MERCURY CONTAMINATION : MATERIAL IS PROCESSED IN MERCURY FREE ENVIRONMENT

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.

FLOW TECHNOLOGY LTD  
TEST CERTIFICATE  
VERIFIED TRUE  
COPY OF ORIGINAL



INSPECTOR'S STAMP

REV 0

01.04.02

WORKS AUTHORISED INSPECTOR

*(Signature)*

QAE/FR/12

F12214 - 1" BSP P C/S F/F SWIV ELBOW 10K 316L

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