



INSPECTION CERTIFICATE & MILL TEST CERTIFICATE-DIN 50049/EN 10204 3.1

FLOW TECHNOLOGY LTD
TEST CERTIFICATE
VERIFIED TRUE
COPY OF ORIGINAL

Approved acc. To AD 2000-Material W/O and certified acc. To PED (97/23/EC) by Certification Body for Pressure Equipment of TÜVNOBD System (Notified body:299200045)	INVOICE / MTR NO. 63-98967/16
STEEL MAKING ROUTE INDUCTION MELTED / AOD	DATE 12.05.2015
	CUSTOMER PURCHASE ORDER NO. 10-185701/W
	GRADE/MATERIAL 1.4401/1.4404
	SPECIFICATION DIMENSIONAL SPECIFICATION
	PREPARED & POLISHED STAINLESS STEEL BRIGHT BARS

CHEMICAL ANALYSIS (%)

HEAT NO	SIZE	SHAPE	TOLERANCE	LENGTH	PIECES	QTY(MT)	C	Mn	SI	S	P	Cr	Ni	Mo	Co	Ti	Co	N	
3730	40.000 MM	ROUND	B9	6.00 - 6.30	16	0.972	0.017	1.600	0.360	0.023	0.039	16.850	10.070	2.020	0.470	0.001	0.170	0.072	
MECHANICAL PROPERTIES(EN 10002-1)																			
HEAT NO	SAMPLE NUMBER	DIRECTION	TENSILE STRENGTH(N/mm2)	PROVE STRESS(N/mm2)	%ELONGATION	%REDUCTION OF AREA	GRAIN SIZE	CHARPY V-NOTCH(JOULES)	HARDNESS										
3730	100005234370	L	642.00	Rp=0.2% 378.00	Rp=1.0% 409.00	51.00	72.00	1 148 2 150 3 152	AVG 150 182.00										

MATERIAL CONFIRMS TO DIN EN 10088-3:2005/AS EN 10277:2008, EN 10277-1 Class 3/DIN EN 10276, DIN EN 10222-5, INTERGANULAR CORROSION TEST SATISFACTORY AS PER DIN EN ISO 8451-2, CERTIFIED AS PER EN10204 3.1 AND AD2000 WZ&W10, PED 97/23/EC, NACE MR 0175-2009, NACE MR0103, ASTM A 479-13, ASME SA 479SA 479M, SA 182-11 COND.A, ASME ACC TO SECTION II PART A ED 8 4, GRADE:1.4401/1.4404, AISI 316/316L,PMI TEST: OK,STEEL MAKING ROUTE: INDUCTION MELTED / AOD, DIMENSIONAL-VISUAL CHECK WITHOUT OBJECTION, ULTRASONIC TEST ACCORDING TO EN 10228-4 TYPE 1a CLASS 3.

REMARKS : MINIMUM SOLUTION ANNEALING TEMPERATURE 1050°C, SOAKING TIME 90 HR/INCH WATER QUENCHED. MATERIAL HAS BEEN TESTED AND FOUND TO BE FREE FROM RADIOACTIVE CONTAMINATION.

WE CERTIFY THAT THE MATERIAL DESCRIBED ABOVE HAS BEEN TESTED AND COMPLEES WITH THE REQUIREMENTS OF SPECIFICATION & ORDER/CONTRACT AND IS OF INDIAN ORIGIN.



MANUFACTURER'S SYMBOL



INSPECTOR STAMP



WORKS INSPECTOR

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F14344
 3/4" BSPP C/S F/F SWIV ELBOW 10K 316L