

FLOW TECHNOLOGY LTD
TEST CERTIFICATE
VERIFIED TRUE
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INSPECTION CERTIFICATE & MILL TEST CERTIFICATE-DIN 50049/EN 10204 3.1

Approved acc. To AD 2000-Material W/O and certified acc. To PED (97/23/EC) by Certification Body for Pressure Equipment of TÜV Nord System (Notified body: 20080045)	INVOICE / MTR NO.	63-989667/16
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	
	PRELUD & 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
37330	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	0.672

MECHANICAL PROPERTIES(EN 10002-1)

HEAT NO	SAMPLE NUMBER	DIRECTION	TENSILE STRENGTH(Rm/N/mm2)	PROOF STRESS(Rp0.2/N/mm2)	PROOF STRESS(Rp1.0/N/mm2)	%ELONGATION Lp=5D	%REDUCTION OF AREA	IMPACT TEST (TEST TEMP. AT RT)(EN 10045-1)	HARDNESS
37330	10000534370	L	642.00	Rp=2.2%	Rp=1.0%	51.00	72.00	148 150 152 150	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 9512, 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 9.4, 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 91 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

F12662
1/4" NPT Male x Female 90° Elbow 10K

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