



Viraj Profiles Limited

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 TÜV Nord System (Notified body: 2392000045)
 STEEL MAKING ROUTE
 INDUCTION MELTED / AOD

INVOICE / MTR NO. 63-98967/16
 DATE 12.05.2015
 CUSTOMER PURCHASE ORDER NO. 10-185701/W
 GRADE/MATERIAL 1.4401/1.4404
 SPECIFICATION
 DIMENSIONAL SPECIFICATION

PRELTD & POLISHED STAINLESS STEEL BRIGHT BARS

BUNDLE NOS. 1100343618, 1100343619

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(N/mm2)	PROVE STRESS(N/mm2)		%ELONGATION L _{g=5D}	%REDUCTION OF AREA	GRAIN SIZE	CHARPY V-NOTCH(J/COULES)	HARDNESS			
				R _{p0.2} %	R _{p1.0} %								
37330	100005234370	L	642.00	378.00	409.00	51.00	72.00	1	148	150	152	150	188.00

MATERIAL CONFIRMS TO DIN EN 10088-3:2005/AS EN 10277:2008, EN 10277-1 Class 3/DIN EN 10278, DIN EN 10222-5, INTERGRANULAR CORROSION TEST SATISFACTORY AS PER DIN EN ISO 9512, CERTIFIED AS PER EN10204 3.1 AND AD2000 WZ&W/O, 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

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F14732
 1 1/16" JIC F/F SWIV 90 ELBOW 10K 316L