

**VIRAJ PROFILES LIMITED (SRM Division)**

Works: SURVEY NO.- 25/1, 25/2, 26 & 34, Village- MAAN, Taluka- PALGHAR, Dist.- PALGHAR, MAHARASHTRA -401 506, INDIA,
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(A02) INSPECTION CERTIFICATE & MILL TEST REPORT (DIN EN 10204-3.1)

(A06)CUSTOMER :	Manufacturer's	(A03)MTR NO.	1053429/9
	Symbol (A04)	(Z02) DATE	11.07.2019
		MATERIAL SPEC.	
		(B02) GRADE	1.4401/1.4404
		DIMENSIONAL SPEC.	h9

(B01) : STAINLESS STEEL BRIGHT**(B04) DELIVERY CONDITION : PEELED POLISHED & GROUND - 2G**

Approved acc. To AD 2000-Merkblatt W0 and
certified acc. To PED (2014/68/EU) by Certification
Body for Pressure Equipment of TUVNORD System (Notified body,reg.no:0045)

(A07)ORDER NO: 1/2150241

(A09)Article No: 10106050

(B09-B11)ITEM DESCRIPTION	LENGTH	(B08) PIECES(Nos)	NET WEIGHT(TO)	(B07) HEAT NO
ROUND 50.000 MM	3.00 - 3.20	83	3.938	54191

Bundle No 1101122261,1101122262,1101122263,1101122266,1101122264,1101122265,1101122267

(C71-C92) CHEMICAL ANALYSIS

ELEMENT	%C	%Mn	%Si	%S	%P	%Cr	%Ni	%Cu	%Mo		%Co	%N				
HEAT	0.0170	1.6100	0.3900	0.0240	0.0380	16.7000	10.1000	0.4700	2.0100		0.1700	0.0740				

MECHANICAL PROPERTIES

Inspection No.	Test specificaiton (ISO 6892-1)									
		(C03) Test Temp @RT	(C02) Test Direction L							
100011581062	(C12) Tensile Strength	Proof Strength		(C13) Elongation%	Reduction of Area%	Hardness				
		Rp=0.2%	Rp = 1 %							
	Mpa	Mpa	Mpa	Lo=5D		HBW				
	635.00	334.00		52.00	71.00	184				

METALLURGICAL PROPERTIES

(B03)COROSION TEST	MICRO OBSERVATION	GRAIN SIZE ASTM E-112
PASSED IGC TEST AS PER ASTM-A262 & DIN EN ISO 3651-2	NO CARBIDE PRECIPITATION OBSERVED ON GRAIN BOUNDARIES	6

(B06)Product Marking : SIZE, GRADE, HEAT NO., LOGO & INSPECTOR STAMP

MATERIAL CONFIRMS TO DIN EN 10088-3:2014, ASTM A276/A276M-17 COND A, BS EN 10272:2016, EN 10277-1 Class 3. EN 10278.

INTERGRANULAR CORROSION TEST SATISFACTORY AS PER DIN EN ISO 3651-2. ASTM A182/A182M-18a & ASTM A479/A479M-18,COND A.

ASME SA 479-15, SA 182-15 COND.A.CERTIFIED AS PER EN10204 3.1 AND AD2000 W2 & W10. NACE MR 0175/ISO-15156-2015. PED 2014/68/EU.

GRADE:1.4401/1.4404, AISI 316/316L.PMI TEST: OK.

ULTRASONIC TEST ACCORDING TO EN 10228-4 TYPE 1a CLASS 3.

REMARKS : MINIMUM SOLUTION ANNEALING TEMPERATURE 1050°C, SOAKING TIME 01 HR/INCH WATER QUENCHED.
MATERIAL IS FREE FROM MERCURY CONTAMINATION, FREE FROM WELD OR WELD REPAIRS.
WE CONFIRM THAT THE MATERIAL HAS BEEN TESTED AND FOUND TO BE FREE FROM RADIOACTIVE CONTAMINATION.

we certify that the above material has been inspected and tested and complies with the order/contract and is of Indian origin

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(Z03)Inspector's Stamp



AUTHORIZED WORKS INSPECTOR
RADHAKRISHNA MURTHY