



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

Customer <input type="checkbox"/>	Approved <input type="checkbox"/> (To AD/2000-Merkblatt W0 and certified <input type="checkbox"/> (To PED(97/23/EC) by (Certification Body for Pressure Equipment (UVNORD) System (Notified body, reg.no:0045) <input type="checkbox"/>	MTR NO. <input type="checkbox"/>	75001713/14
M/S: DAMSTAHL GMBH RAIFFEISENSTRASSE 6-8D 40764 LANGENFELD, GERMANY DEUTSCHLAND, VAT No.DE 121382220	DATE <input type="checkbox"/>	DATE <input type="checkbox"/>	05.02.2015
	GRADE/MATERIAL <input type="checkbox"/>		1.4307/304L AS PER EN 10088-3, EN 10272, AD 2000 WZ/W10 AS PER ASTM A 276 & ASME SA479
	SPECIFICATION <input type="checkbox"/>		
	DIMENSIONAL SPECIFICATION <input type="checkbox"/>		
	HOT ROLLED ANNEALED & PICKLED <input type="checkbox"/>		
	INDUCTION MELTED / AOD		

S/NO	ITEM DESCRIPTION	ORDER NO	HEAT NO	PIECES	QTY(MT)	C	Mn	Si	S	P	Cr	Ni	Mo	Cu	Ti	Co	N	CHEMICAL ANALYSIS (%)			
																		1	2	3	AVG
16	70 X 10 MM	366903	98029	29	0.832	0.023	1.370	0.320	0.023	0.036	18.060	8.020	0.370	0.660	0.001			0.160	0.084		
17	80 X 10 MM	366903	98030	10	0.336	0.022	1.340	0.350	0.024	0.036	18.300	8.020	0.380	0.640	0.003			0.160	0.085		
18	80 X 10 MM	366903	98054	10	0.335	0.022	0.980	0.390	0.022	0.038	18.200	8.020	0.490	0.540	0.002			0.160	0.084		
19	120 X 30 MM	366903	98077	3	0.459	0.020	1.350	0.500	0.018	0.034	18.150	8.020	0.490	0.470	0.003			0.130	0.085		

HEAT NO	SAMPLE DIRECTION	TEST TEMP. (Deg.C)	TENSILE STRENGTH (N/mm2)	PROFF STRESS (N/mm2)	%ELONGATION Lo-4D	%REDUCTION AREA	SPECIMEN SIZE	TEST TEMP. (Deg.C)	CHARPY V-NOTCH(JOULES)			HARDNESS (BHN) (EN 10003-1)	
									1	2	3		
98029	L	25	664.00	312.00	45.00	56.00	55 x 10 x 10	25	130.00	132.00	134.00	132.00	197.00
98030	L	25	668.00	314.00	45.00	56.00	55 x 10 x 10	25	128.00	132.00	134.00	131.00	198.00
98054	L	25	668.00	314.00	45.00	56.00	55 x 10 x 10	25	126.00	134.00	130.00	130.00	198.00
98077	L	25	648.00	304.00	47.00	58.00	55 x 10 x 10	25	134.00	132.00	128.00	131.00	192.00

**MECHANICAL PROPERTIES(EN 10002-1)**

MARKING : SIZE, GRADE, HEAT NO., LOGO & INSPECTOR STAMP

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

DIMENSIONS : CONFORM WITH THE SPECIFICATION

ORIENTATION / LOCATION : STRIP SAMPLE FROM 1/3RD OF FLANGE END

SURFACE INSPECTION : SATISFACTORY

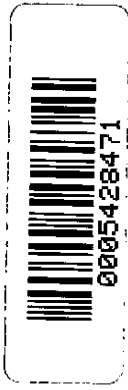
PMI : NO OBJECTION(100% TESTED WITH MOBILE SPECTRO)

INTER CRYSTALLINE CORROSION TEST : PASSED IGC TEST IN ACCORDANCE WITH DIN EN ISO 3651-2


MICRO OBSERVATION : NO CARBIDE PRECIPITATION OBSERVED ON GRAIN BOUNDARIES


RADIO ACTIVITY TEST : ALL THE ABOVE MATERIAL IS TESTED FOR RADIOACTIVITY AND FOUND WITHIN THE LIMIT OF BACKGROUND RADIATION

REMARKS : MATERIAL IS FREE FROM MERCURY CONTAMINATION, WELDING & WELD REPAIRS



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

  
**INSPECTOR STAMP**

  
**(SAURABH JAIN)**

**WORKS INSPECTOR**

**MANUFACTURER'S SYMBOL**

OFFICE : 10, Imperial Chambers 1st Floor, Wilson Road, Ballard Estate, Mumbai-40 038, INDIA, Tel: (+91-22)22614327, 22614284, 22647678, 22613056, Fax: 91-22-22612980/22659763  
 FACTORY : G-76, 77 MIDC Tarapur Industrial Area, Dist- Thane, Maharashtra - 401 506, INDIA, Tel - (+91-2525) 271369, e-mail - vp@viraj.com