



SURAJ STAINLESS LTD.
(AN ISO 9001 COMPANY)

TEST CERTIFICATE

F / QA / 24

175270
ISSUE NO. 02

PAGE 17 OF 26
IN ACCORDANCE WITH EN 10204/3.2
AS PER PED 97/23/EC

WORKS :

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CUSTOMER : VAN LEEUWEN STAINLESS B.V.	T. C. No. : 579	DATE : 23/09/2006
	P. O. No. : 602240	DATE : 24/02/2006
PRODUCT : S. S. WELDED TUBES.	O. A. No. : EOA050159	DATE : 15.05.2006
		DATE : 06/03/2006

Sr. No.	Specification	Grade	Dimensions		Quantity			Hydro. Test Pressure
			OD/IN	Thk/IN	Length mm	Pcs.	Total	
16	DIN 17457 - 85 D3/T3, d2 EN 10217-7 CLIENT PRODUCT SPECIFICATION 012.38 E DEC. 2001 REVISION - 2	1.4404/ TP316L	MM	MM	6000	80	METER 480.000	80 BAR (G)

Sr. No.	Heat No.	Chemical Analysis %									
		C	Mn	P	S	Si	Cr	Ni	Mo	N	Ti
16	PD18	H 0.020	1.75	0.028	0.006	0.36	17.10	11.20	2.20	-----	-----
		P 0.015	1.68	0.038	0.001	0.45	16.69	11.22	2.15	0.015	-----
		H - HEAT ANALYSIS. * 100 % MATERIAL IDENTIFICATION - SATISFACTORY P - PRODUCT ANALYSIS. * 100 % DIMENSIONS CHECKED - SATISFACTORY * 100 % VISUAL EXAMINATION - SATISFACTORY MATERIAL AS PER EN 10088-1: 1995 TESTCLASS 1 " La Societe.....garantit que les produits objet du present certificat, respectent en leur totalite les prescription de l' Article 15 de l' Arrete Ministeriel du 24 mars 1978 modifie. C < 0, 25%, P < 0, 05%, S < 0, 05%, R < 800 N/mm ² E < 0, 9 x R A % (Lo=5.65VSo) min. 16% en long. R(A-2) > 10500									

Sr. No.	Mechanical Test									
	Tensile Mpa	Yield Mpa	Elongation %	Flare DRIFT	RING	Flattening	Bend R. Bend	Hardness HRB/ 30T Scale	Eddy Current	Micro Structure
16	566	0.2% 262 1% 297	A5 60.00 A2"58.00	EXPANDING OK	EXPANDING OK	OK	-----	-----	Satis- factory	-----
* IGC TEST CARRIED OUT AS PER EN ISO 3651-2 - 1998 METHOD-A FOUND SATISFACTORY [ONE SAMPLE PER HEAT/SIZE] * PED CERTIFICATE NO. 07 -202 -2 -1409 -06 -00013 ISSUED BY TUV NORD VALIDITY UNTIL 06.2009										

Heat Treatment : Solutions Annealing done at 1040°C - 1080°C temperature and rapid water quenching.

LC No.NLNL1NL06M317712 DATE : 28.03.2006, AMDT NO. 01 DATE : 29.05.2006

MARKING ON TUBES :-

HEAT NO. PD18 DIN17457, NFA-49147, ASTM A-312, 1.4404/TP316L TUZ2 CND 17-12 SURAJ STAINLESS LTD.
20mmOD X 2mmTHK X 6000mmLONG W, d2, SSL-2, PO NO. 602240

IRN NO.)
0628002 06110106

P. Sekhar
MR. SEKHAR PADALA
SURVEYOR OF L.R.A

Ashvin Patel
Quality Assurance Manager
ASHVIN PATEL

We hereby certify that the material described herein are in accordance with the specification and that results comply with the requirements of the specifications.

Material tested in accordance with Chemical Analysis Grade V. Used Against Specification Requirements