



CHANDAN STEEL LIMITED

(GOVT. OF INDIA RECOGNISED EXPORT HOUSE)

ISO 9001 : 2008 CERTIFICATE No. 04 100 011022-E3

ADM. OFFICE: 504, SUKH SAGAR, N. S. PATKAR MARG, MUMBAI 400 007, INDIA

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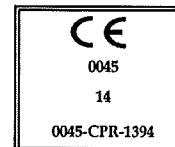
Email : csl@chandansteel.net

WORKS: Plot No. 35, G. I. D. C., Umbergaon

Dist Valsad, Gujarat - 396 171.

Tel.: 91-260- 308 9999 Fax.: 91-260 308 9872

E-mail : exports@chandansteel.net



L/c. No.:

L/c. Date:

F824 QC 09A / 02/10.12.2012

MILL TEST / INSPECTION CERTIFICATE 3.1

ACCORDING TO EN 10204 : 2005

Consignee DAMSTAHL a/s Danmarksvej 28, DK - 8660 Skanderborg DENMARK						Test Certificate No. : EXP/00439 - 10/2015-2016 Date of Issue : 31.07.2015 P. O. No. : 530824 SC_No. & Date : 15-16/00116, Dt.11.05.2015 Invoice No. & Date : EXP/00439/2015-16 Dt.31.07.2015						
PRODUCT DESCRIPTION STAINLESS STEEL FLAT BARS [HRAP] [CONDITION - 1D]						LENGTH		Net Wt.				
						Ordered		Actual		543 Kgs.		
						4.8 - 5.3 Mtrs.		4.8 - 5.3 Mtrs.				
Article No.	Item No.	Heat No.	Material/Grade	Size mm	Tolerance	Process Route						
-	6490	CH-2610	1.4404/316L	60 x 8 mm	DIN 1017/EN 10058	Electric Melting, A.O.D. Refining, Continuous Casting						
CHEMICAL COMPOSITION (Weight %)												
	C	Si	Mn	P	S	Cr	Mo	Ni	Cu	Ti	Co	N
Min.	-	-	-	-	-	16.50	2.00	10.00	-	-	-	-
Max.	0.030	1.00	2.00	0.045	0.030	18.50	2.50	13.00	-	-	-	0.1000
Results	0.021	0.40	1.54	0.044	0.015	16.55	2.01	10.01	-	-	-	0.0570
MECHANICAL PROPERTIES												
Specified Values	Test Method :- EN ISO 6892-1					Hardness EN ISO 6506-1 (BHN)	Test Method :- DIN EN ISO 148 - 1 Charpy (V) Impact Test (2mm) at 20 °C (Joules)					
	Proof Strength N/mm²/MPa		Tensile Strength N/mm²/MPa (Rm)	Elongation after Fracture A %	Reduction of Area %		Sample Size - 10 x 5 x 55 mm					
	0.2%(Rp0.2)	1%(Rp1.0)					I	II	III	Avg.		
Results	318	360	616	52	62	180-183	142	135	138	138.33		
Remarks: 1. Condition : 1D (Hot Rolled, Shot-Blasted and Pickled) 2. Solution annealed at 1050 °C. 3. PMI test done 100% & found Satisfactory. 4. The material is fully killed and calcium treated. 5. Material is free from radio-active contamination. 6. Intergranular Corrosion test carried out as per EN/ISO 3651-2-1998 (Test method A) found satisfactory. 7. The material conforms to EN 10088-5:2009, EN 10272-2008 & AD2000 W2-2008 Specification. 8. Additionally requirement meets to DIN 1017 & EN 10058 specifications. 9. Appoved acc.to PED (97/23/EC) by Certification Body for Pressure Equipment of TUV NORD Systems (notified body, reg. no.:0045) . 10. Location of sample - off centre, Direction - Longitudinal, Test Temp - Room Temp., Shape of Test Piece - Flat. 11. Marking details - Company Logo, Size, Grade & Heat No. 12. The material is manufactured /melt in Chandan Steel Mill and is of Indian Origin.												
BUNDLE NO.: 15						COLOUR : RED						

Intended use : Building construction or civil engineering.

Regulated substance : No performance determined.

It is hereby certified that the above results are true and correct in every details and are meeting the requirements of specification & purchase order.

D.O.P. No.: 1.4404/FL

D.O.P. can be seen here: www.chandansteel.net

B. S. RAUTELA
MANAGER - Q.A./WORKS INSPECTOR