



CHANDAN STEEL LIMITED

(GOVT OF INDIA RECOGNISED EXPORT HOUSE)

ISO 9001:2008 CERTIFICATE No 04100 011022 E3

ADMIN OFFICE: 504 SUKH SAGAR N S PATIL MARG MUMBAI 400 007 INDIA

Tel: 91-22-66290600 Fax: 91-22-66290633/34

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L/c No

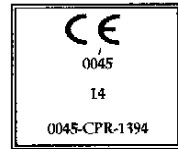
L/c Date

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



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/01126 - 06/2014-2015 Date of Issue 19 01 2015 P O No 520686 SC No & Date 14-15/00680, Dt 11 12 2014 Invoice No & Date EXP/01126/2014-15 Dt 19 01 2015						
PRODUCT DESCRIPTION STAINLESS STEEL EQUAL LEG ANGLES [CONDITION - 1D]						LENGTH		Net Wt				
						Ordered 6 0 - 6 20 Mtrs	Actual 6 0 - 6 20 Mtrs	3231 Kgs				
Article No	Item No	Heat No	Material/Grade	Size mm	Tolerance	Process Route						
-	6756	CH-1764	1 4404	50 x 50 x 5 mm	DIN 1028/EN 10056	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	0.025	0.42	1.84	0.044	0.015	17.08	2.02	10.01	-	-	-	0.0530
MECHANICAL PROPERTIES												
Specified Values	Test Method - EN 10002-1					Hardness EN ISO 6506-1 (BHN)	Test Method - DIN EN ISO 148 - 1 Charpy (V) Impact Test (2mm) at 20 °C (Joules) Sample Size -					
	Proof Strength N/mm ² /MPa		Tensile Strength N/mm ² /MPa (Rm)	Elongation after Fracture A %	Reduction of Area %							
	0.2%(Rp0.2)	1%(Rp1.0)					I	II	III	Avg		
Results	320	359	624	52	63	180-183	-	-	-	-	-	-
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 10272-2:2008 & AD2000 W2-2008 Specification												
8 Additionally requirement meets to DIN 1028, EN 10056-1 and EN 10056-2 specifications												
9 Approved acc to AD 2000-Merkblatt W0 and certified 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 5 to 10						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/EA

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

[Signature]

B S RAUTELA
MANAGER - Q A/WORKS INSPECTOR