



CHANDAN STEEL LIMITED
(GOVT. OF INDIA RECOGNISED EXPORT HOUSE)
ISO 9001 : 2015 CERTIFICATE No. 04 100 011022

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

tel.: 91-22-66290600. Fax.: 91-22-66290633/34

Website : www.CHandansteel.net

email : cs@CHandansteel.net

/c. No. : ---

/c. Date: ---

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

Dist Valsad, Gujarat - 396 171.

Tel.: 91-260-256 2066 / 4367 / 1166. Fax.: 91-260-256 2287

E-mail : exports@CHandansteel.net

INSPECTION CERTIFICATE 3.1
ACCORDING TO EN 10204

OUTHWEST STAINLESS & ALLOY
HOUSTON - SWS, 3730 SOUTH MAIN STREET
EARLAND, TX 77581
phone : 713-943-3790 8880
ax: 713-948-5600

Test Certificate No. : EXP/ 01369-19 /2018-19

Date of Issue : 29.01.2019

P. O. No. : 677221

Invoice No. & Date : EXP/ 01369 /2018-19 Dtd. 29.01.2019

ITEM DESCRIPTION
STAINLESS STEEL FORGED & FULLY MACHINED FLANGES

PO Sr. No.	ARTICLE NO.	Heat No.	Pcs	Box No.	Wt.Kgs	Grade	Item	Process Route
42	BL150B10-S	CH-7298	53	33&34	1621.27	F304/304L	10" BLRF 150LBS	Electric Induction Melting, A.O.D. Refining, Continuous Casting & Hot Forging
-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	

CHEMICAL COMPOSITION (Weight %)


PO Sr. No.	ARTICLE NO.	C	Si	Mn	P	S	Cr	Mo	Ni	Cu	Ti	N	OTHERS
42	BL150B10-S	0.027	0.59	1.58	0.040	0.014	18.08	-	8.08	-	-	0.080	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-

MECHANICAL PROPERTIES

PO Sr. No.	ARTICLE NO.	HEAT TREATMENT BATCH NO.	Yield Strength (N/mm ²)		Tensile Strength N/mm ² (R _m)	% EL	% R.A.	Hardness (H.B.W.)	Charpy (V) Impact Test (2mm) at 20°C (Joules)			
			0.2% (R _{0.2})	1% (R _{0.1})					Sample Size - 10 x 10 x 55mm			
									I	II	III	Avg.
42	BL150B10-S	F2/017/092A	298	333	587	51	73	170-173	169	173	165	169
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-

Remarks:

- The material is solution annealed at minimum 1050°C and water quenched.
- Material is free from mercury and radio-active contamination and is found within the limits of the background radiation.
- PMI test 100% satisfactory.
- Inter-Granular Corrosion Test as per ASTM A 262 - 15 (Pr.E) satisfactory.
- The material conforms to ASTM A 182 - 17, ASME SA 182 - 17 & Dimension conforms to ASME B16.5 - 13 Specification.
- Visual and Dimensions inspection done and found satisfactory.
- The material hardness conforms to NACE MR0175/ISO 15156-3:2015 & NACE MR0103-2015.
- Material was manufactured, sampled, tested, and inspected in accordance with indicated specification(s) solely by the manufacturer listed herein and was found to meet the requirements.
- No weld repair was performed and all products are free of weld repair.
- The steel making is by Chandan Steel Limited, India
- Country of Melt, INDIA.

Stock 4741752 08/25/2020

**SSFLANGE 10IN 150# 304 BLIND
 FLANGE IMPORT**

I hereby certify that, the material described herein, and supplied are in compliance with the requirements of the order.



V. Narayanan
VY NARAYANAN
 SR. MANAGER - Q. A.