



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

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L/c. No. : —
L/c. Date: —

WORKS: Plot No. 85, G. I. D. C., Umbergaon,
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INSPECTION CERTIFICATE 3.1
ACCORDING TO EN 10204

ALLIED STAINLESS GROUP 7200 Mykawa Road Houston, Texas 77033 Phone: 800-969-5565	Test Certificate No. : EXP/00422-01/2019-2020 Date of Issue : 30.06.2019 P. O. No. : W50719CI Invoice No. & Date : EXP/00422/2019-2020 Dtd.30.06.2019
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ITEM DESCRIPTION
STAINLESS STEEL FORGED & FULLY MACHINED FLANGES

Sr.No.	PRODUCT CODE	Heat No.	Pcs	Box No.	Wt.Kgs	Grade	Item	Process Route
79	316/L11WFS3-CI	CH-10550	41	119	216.45	F316/316L	3" WNFF 150LBS 40S	Electric Induction Melting, A.O.D. Refining, Continuous Casting & Hot Forging
118	316/L11TR2-CI	CH-10300	55	119	121.55	F316/316L	2" THDRF 150LBS	
94	316/L11SR2.5-CI	CH-10307	5	119	17.00	F316/316L	2 1/2" SORF 150LBS	
179	316/L13SR.5-CI	ch-10042	28	119	18.76	F316/316L	1/2" SORF 300LBS	
106	316/L11BR.75-CI	CH-9995	319	119	204.16	F316/316L	3/4" BLRF 150LBS	

CHEMICAL COMPOSITION (Weight %)

Sr.No.	PRODUCT CODE	C	SI	Mn	P	S	Cr	Mo	Ni	Cr	Ti	N	OTHERS
79	316/L11WFS3-CI	0.027	0.48	1.77	0.037	0.005	16.60	2.03	10.07	-	-	0.064	-
118	316/L11TR2-CI	0.028	0.53	1.60	0.044	0.004	16.60	2.02	10.05	-	-	0.063	-
94	316/L11SR2.5-CI	0.023	0.46	1.88	0.044	0.002	16.53	2.03	10.03	-	-	0.067	-
179	316/L13SR.5-CI	0.027	0.47	1.86	0.044	0.003	16.60	2.01	10.04	-	-	0.076	-
106	316/L11BR.75-CI	0.028	0.40	1.69	0.042	0.007	16.78	2.09	10.01	-	-	0.078	-

MECHANICAL PROPERTIES

Sr.No.	PRODUCT CODE	0.2% Yield Strength N/mm ² (R _{0.2})	Tensile Strength N/mm ² (R _m)	Elongation %	Reduction of Area %	Hardness (B. H. N.)
79	316/L11WFS3-CI	294	594	55	71	162-165
118	316/L11TR2-CI	301	604	57	75	159-163
94	316/L11SR2.5-CI	281	588	57	73	171-174
179	316/L13SR.5-CI	284	586	56	78	171-174
106	316/L11BR.75-CI	299	602	59	71	160-165

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.
- The steel making is by Chandan Steel Limited, India.
- Country of Melt:- INDIA.

Stock

4725111

11/24/2020



SSFLANGE 3/4IN 150# 316 SS BLIND
FLANGE IMPORT



V.Y. Narayan

V.Y. NARAYAN
SR. MANAGER Q. A.

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