

Stock 4725111 01/30/2020
 SSFLANGE 3/4IN 150# 316 SS BLIND
 FLANGE IMPORT



CHANDAN STEEL LIMITED
 (GOVT. OF INDIA RECOGNISED EXPORT HOUSE)
 ISO 9001 : 2015 CERTIFICATE No. 04 100 016022

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 L/c. No. : ---
 L/c. Date: ---

WORKS: Plot No. 45, G. I. D. C., Umbergaon
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INSPECTION CERTIFICATE 3.1
 ACCORDING TO EN 10204

ALLOYED 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/L.L1WFS3-CI	CH-10550	41	119	216.48	F316/316L	3 * WNFP 150LBS 40S	Electric induction Melting, A.O.D. Refining, Continuous Casting & Hot Forging
118	316/L.L1TR2-CI	CH-10300	55	119	121.55	F316/316L	2 * THDRF 150LBS	
94	316/L.L1SR2.5-CI	CH-10307	5	119	17.00	F316/316L	2 1/2 * SORF 150LBS	
179	316/L.L1SR.5-CI	ch-10042	28	119	18.76	F316/316L	1/2 * SORF 300LBS	
106	316/L.L1BR.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	Cu	Ti	N	OTHERS
79	316/L.L1WFS3-CI	0.027	0.48	1.77	0.037	0.005	16.60	2.03	10.07	-	-	0.064	-
118	316/L.L1TR2-CI	0.028	0.53	1.60	0.044	0.004	16.60	2.02	10.05	-	-	0.063	-
94	316/L.L1SR2.5-CI	0.023	0.46	1.88	0.044	0.002	16.53	2.03	10.03	-	-	0.067	-
179	316/L.L1SR.5-CI	0.027	0.47	1.86	0.044	0.003	16.60	2.01	10.04	-	-	0.076	-
106	316/L.L1BR.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/L.L1WFS3-CI	294	594	55	71	162-166
118	316/L.L1TR2-CI	301	604	57	73	159-163
94	316/L.L1SR2.5-CI	281	588	57	73	171-174
179	316/L.L1SR.5-CI	284	586	56	78	171-174
106	316/L.L1BR.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.
- FMI test 100% satisfactory.
- Inter-Granular Corrosion Test as per ASTM A - 262 - 15 (Fr.B) satisfactory.
- The material conforms to ASTM A 182 - 17, ASME SA 182 - 17 & Dimension confirms to ASME B16.5 - 13 Specification.
- Visual and Dimensional 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.

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



V.Y. Narayan

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