



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

ADM. OFFICE: 504, SUKHSAGAR, N. S. PATKAR MARG,  
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L/c. No. : ---  
L/c. Date: ---

WORKS: Plot No. 35, G. I. D. C., Umbergaon  
Dist. Valad, Gujarat - 396 171, INDIA  
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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/01211-04/19-20 Date of Issue : 11.12.2019 P. O. No. : PG6376 Invoice No. & Date : EXP/01211/19-20 Dtd.11.12.2019						
ITEM DESCRIPTION STAINLESS STEEL FORGED & FULLY MACHINED FLANGES													
Sr.No.	PRODUCT CODE	Heat No.	Pcs	Box No.	Wt.Kgs	Grade	Item	Process Route					
106	6L1SR2	CH-11050	974	258,262&264	2088.56	F316/316L	2" SORF 150 LBS	Electric Induction Melting, A.O.D. Refining, Continuous Casting & Hot Forging					
114	6L1BF2	CH-11576	47	280	120.79	F316/316L	2" BLFF 150 LBS						
115	6L1BR1.5	CH-11576	175	253	273.00	F316/316L	1 1/2" BLRF 150 LBS						
116	6L1BR1	CH-11526	519	264	461.91	F316/316L	1" BLRF 150 LBS						
149	6L3WRS12	CH-11560	6	269	387.00	F316/316L	12" WNRF 300 LBS 40S						
CHEMICAL COMPOSITION (Weight %)													
Sr.No.	PRODUCT CODE	C	Si	Mn	P	S	Cr	Mo	Ni	Cu	Ti	N	OTHERS
106	6L1SR2	0.026	0.40	1.60	0.040	0.011	16.62	2.02	10.02	-	-	0.078	-
114	6L1BF2	0.027	0.56	1.79	0.038	0.013	16.62	2.04	10.06	-	-	0.067	-
115	6L1BR1.5	0.027	0.56	1.79	0.038	0.013	16.62	2.04	10.06	-	-	0.067	-
116	6L1BR1	0.023	0.55	1.90	0.040	0.004	16.80	2.09	10.08	-	-	0.068	-
149	6L3WRS12	0.027	0.47	1.63	0.040	0.006	16.55	2.02	10.05	-	-	0.073	-
MECHANICAL PROPERTIES													
Sr.No.	PRODUCT CODE	0.2% Yield Strength N/mm <sup>2</sup> (R <sub>p0.2</sub> )		Tensile Strength N/mm <sup>2</sup> (R <sub>m</sub> )		Elongation %	Reduction of Area %		Hardness (B. H. N.)				
106	6L1SR2	297		602		59	72		174-178				
114	6L1BF2	279		587		56	73		171-175				
115	6L1BR1.5	279		587		56	73		171-175				
116	6L1BR1	295		599		50	76		161-165				
149	6L3WRS12	295		603		56	72		167-171				
Remarks:													
1. The material is solution annealed at minimum 1050°C and water quenched.													
2. Material is free from mercury and radio-active contamination and is found within the limits of the background radiation.													
3. PMI test 100% satisfactory.													
4. Inter-Granular Corrosion Test as per ASTM A - 262 - 15 (Pr.E) satisfactory.													
5. The material conforms to ASTM A 182 - 17, ASME SA 182 - 17 & Dimension conforms to ASME B16.5 Specification.													
6. Visual and Dimensions inspection done and found satisfactory.													
7. The material hardness conforms to NACE MR0175/ISO 15156-3:2015 & NACE MR0103-2015.													
8. The steel making is by Chandan Steel Limited, India.													
9. Country of Melt - INDIA.													

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



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

Stock 4725113 10/19/2020  
SSFLANGE 1 - 1/2IN 150# 316 SS BLIND  
FLANGE IMPORT