



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

ADM. OFFICE: 304, SUKH SAGAR, N. S. PATILKAR MARG,
MUMBAI 400 007, INDIA
Tel.: 91-22-66290600, Fax.: 91-22-66290633/34
Website : www.chandansteel.net
Email : ch@chandansteel.net
L/c. No. : —
L/c. Date: —

WORKS: Plot No. 35, G. I. D. C., Umbergaon,
Dist. Valad, Gujarat - 396 171.
Tel.: 91-260-256 2066 / 4367 / 1166, Fax.: 91-260-256 2287
E-mail : exp@chandansteel.net

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/00879-09/19-20
	Date of issue	: 30.09.2019
	P. O. No.	: W51019NCT
	Invoice No. & Date	: EXP/00879/19- 20 Dtd.30.09.2019

ITEM DESCRIPTION
STAINLESS STEEL FORGED & FULLY MACHINED FLANGES

Sr.No.	PRODUCT CODE	Heat No.	Pm	Box No.	Wt.Kgs	Grade	Item	Process Route
43	316/LL3L1-CI	CH-10638	109	21	170.04	F316/316L	1 * LJFF 300LBS	Electric Induction Melting, A.O.D. Refining, Continuous Casting & Hot Forging
22	316/LL1WRS10-CI	CH-11018	22	23 & 24	564.52	F316/316L	10" WNRF 150LBS 40S	
23	316/LL1WRA10-CI	CH-11018	25	24,25&26	559.25	F316/316L	10" WNRF 150LBS 10S	
21	316/LL1WRA12-CI	CH-11018	10	26 & 33	351.27	F316/316L	12" WNRF 150LBS 10S	
35	316/LL1BR75-CI	CH-10649	42	26	26.88	F316/316L	3/4" BLRP 150LBS	

CHEMICAL COMPOSITION (Weight %)

Sr.No.	PRODUCT CODE	C	Si	Mn	P	S	Cr	Mo	Ni	Ca	Ti	N	OTHERS
43	316/LL3L1-CI	0.023	0.42	1.79	0.041	0.026	16.75	2.06	10.07	-	-	0.078	-
22	316/LL1WRS10-CI	0.027	0.41	1.64	0.036	0.017	16.75	2.01	10.06	-	-	0.074	-
23	316/LL1WRA10-CI	0.027	0.41	1.64	0.036	0.017	16.75	2.01	10.06	-	-	0.074	-
21	316/LL1WRA12-CI	0.022	0.40	1.98	0.042	0.019	16.55	2.02	10.10	-	-	0.073	-
35	316/LL1BR75-CI	0.023	0.40	1.59	0.037	0.012	16.74	2.04	10.05	-	-	0.072	-

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.)
43	316/LL3L1-CI	289	602	55	71	164-168
22	316/LL1WRS10-CI	293	607	51	70	170-174
23	316/LL1WRA10-CI	293	607	51	70	170-174
21	316/LL1WRA12-CI	299	602	58	72	167-171
35	316/LL1BR75-CI	279	587	55	73	171-175

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 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.

Stock 4725111 01/31/2020



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



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