

MILL TEST REPORT

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This MTR contains: 1 pages (Page:1)

Cust#: HARSPR Company#: HARRY COOPER SUPPLY CO
 MTR#: CDFL/CDFL0034.pdf PO#: P1343688 SO#: LGKBA8
 Item:F16LB00E Bundle:CH-9116 HeatNo:CH-9116

CDFL0034

CHANDAN STEEL LIMITED
 (GOVT. OF INDIA RECOGNISED EXPORT HOUSE)

ISI 9021 : 2015 CERTIFICATE No. 04 100 F1122

ADM. OFFICE: 504, SUKH SAGAR, N. S. PATKAR MARG,
 MUMBAI 400 037, INDIA
 Tel.: 91-22- 66290600. Fax: 91-22-66290633/34
 Website : www.chandansteel.net
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 L/c No. : —
 L/c Date: —

WORKS: Plot No. 35, G. I. O. C., Umbargan
 Dist. Valsad, Gujarat - 396 171.
 Tel.: 91-260-256 2066 / 4347 / 1166. Fax: 91-260-256 2287
 E-mail : expmtr@chandansteel.net

INSPECTION CERTIFICATE 3.1
 ACCORDING TO EN 10204

TA CHEN INTERNATIONAL, INC. 5605 OESPO AVE LONG BEACH, CA 90805 TOLL FREE: (800)964-4389	Test Certificate No. : EXP/01053-01/2018-19 Date of Issue : 30.11.2018 P.O. No. : L74115 Invoice No. & Date : EXP/01053/2018-19 Dtd.30.11.2018
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ITEM DESCRIPTION
 STAINLESS STEEL FORGED & FULLY MACHINED FLANGES

Po Sr.No.	Part Code	Heat No.	Fcs	Box No.	Wt.Kgs	Grade	Item	Process Route
89	F16LS010	CH-8768	280	1	221.20	F316/316L	1" SORF 150LBS	Electric Induction Melting, A.O.D. Refining Continuous Casting & Hot Forging.
87	F16LS00D	CH-9119	47	1	19.27	F316/316L	1/2" SORF 150LBS	
71	F16LB00E	CH-9116	56	1	35.28	F316/316L	3/4" BLRF 150LBS	
65	F16LAW020	CH-9117	83	3	229.91	F316/316L	2" WNRF 150LBS 40S	
69	F16LAW010	CH-8313	82	3	94.30	F316/316L	1" WNRF 150LBS 80S	

CHEMICAL COMPOSITION (Weight %)

Po Sr.No.	Part Code	C	Si	Mn	P	S	Cr	Mo	Ni	Cu	Ti	N	OTHERS
89	F16LS010	0.029	0.54	1.81	0.040	0.003	16.72	2.05	10.05	-	-	0.075	-
87	F16LS00D	0.027	0.43	1.75	0.039	0.009	16.75	2.03	10.02	-	-	0.070	-
71	F16LB00E	0.028	0.46	1.64	0.037	0.009	16.76	2.07	10.10	-	-	0.079	-
65	F16LAW020	0.023	0.42	1.56	0.032	0.010	16.70	2.08	10.04	-	-	0.078	-
69	F16LAW010	0.026	0.47	1.82	0.038	0.005	16.60	2.09	10.10	-	-	0.078	-

MECHANICAL PROPERTIES

Po Sr.No.	Part 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.)
89	F16LS010	290	596	51	72	170-174
87	F16LS00D	291	593	54	72	168-172
71	F16LB00E	281	582	53	72	170-174
65	F16LAW020	296	593	54	73	171-175
69	F16LAW010	279	581	51	72	171-175

Remarks:

1. The material is solution annealed at minimum 1030 °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. The material conforms to ASTM A 182 - 17, ASME SA 182 - 17 & Dimension conforms to ASME B16.5 - 13 Specification.
5. Visual and Dimensions inspection done and found satisfactory.
6. The material hardness conforms to NACE MR0175/ISO 15156-3:2015 & NACE MR0103-2015.
7. Marking Details - MATERIAL SPECIFICATION, SIZE, GRADE, HEAT NO., CHANDAN
8. The material is manufactured /melt in Chandan Steel Mill and is of Indian Origin.
9. 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
 SR. MANAGER Q. A.



Stock 4725111 09/20/20
 SS FLANGE 3/4IN 150# 316 SS BLIND
 FLANGE IMPORT