

MILL TEST REPORT

Cust# HARSPR Company: HARRY COOPER SUPPLY CO
 MTR# FEFL/FEFL00516-8.pdf PO# P1359170 SO# LJUHKS
 Item: F14LB100

TA CHEN INTERNATIONAL, INC.
 www.tachen.com

This MTR contains: 1 pages (Page: 1)

FEFL00516-8

Inspection Certificate (EN10204 3.1)

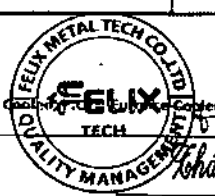



Felix Metal Tech Co., Ltd.
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CUSTOMER : TACHEN INTERNATIONAL, INC
 PO. NO. : L93100
 MPS. NO. : N/A
 PROJECT NAME : N/A

SPECIFICATION : ASTM A182 F304/F304L-19
 ASME SA182 F304/F304L-2019ED

CERTIFICATE NO. : FV201278-032
 PAGE : 1 OF 1
 DATE : 2020-12-28

Description	Lot No.	Tension Test *1							Hardness Test	Impact Test					
		*2	Size of Specimen		Y.S.	T.S.	E.L.	R.A.		Temp. : °C	Notch : mmV				
			D	G.L.											
			mm	mm											
3 #150 BL RF 10" F14LB100	CE7M34	T	12.5	50	294.6	576.5	73.0	77.0	237	152, 152					
<< B L A N K >>															
TOTAL	30														
Heat Treatment *4 S : 1050°C x 2.0 hrs, WC	Heat No.	Spec. Min. Max.	Chemical Composition (%) *3												
			C	Si	Mn	P	S	Ni	Cr	Mo	Cu	V	Nb	Al	N
			0.03	1.00	2.00	0.045	0.030	8.00	18.00						
Remark	20L-0973	H	0.025	0.35	1.72	0.039	0.012	8.08	18.22					0.09	
- NACE MR0175/ISO15156-3 - 2015 : HRC22 Max(≠#B237) - NACE MR0103/ISO17945 -2015 - Country of Melting: INDIA/ E.I.F +A.O.D - Country of forging: VIETNAM			Dimension & Visual			UT			MT			PT			
Accepted (ASME B16.5-2017)			N/A			N/A			N/A			N/A			
Abbreviation *1. Tension Test : Y.S. = Yield Strength, T.S. = Tensile Strength, E.L. = Elongation, R.A. = Reduction of Area, G.L. = Gauge Length(mm), D. = Diameter(Ø) *2. Location : L = Longitudinal, Tr = Transverse, T = Tangential, R = Radial *3. Chemical Composition : H = Heat Analysis, P = Product Analysis *4. Heat Treatment : N = Normalized, A = Annealed, Q = Quenched, T = Tempered, S = Solution Treated, S.R. = Stress Relieved, A.C. = Air Cooled, W.C. = Water Cooled *5. CE : C+Mn/5+(Cr+Mo+V)/5+(Ni+Cu)/15															
Surveyor			We hereby certify that the material herein has been tested, inspected and satisfied in accordance with the above specification.						 Felix Manh Tuan Manager / Q.M. Team						

Stock 4741752 12/05/2022

 SSFLANGE 10IN 150# 304 BLIND
 FLANGE IMPORT