



R.N. GUPTA & COMPANY LTD., C-55, FOCAL POINT, LUDHIANA -141 010 ( INDIA )

MATERIAL / MILL TEST CERTIFICATE EN 10204 : 2004 - 3.1



CERTIFICATE NO. 15909 DATE 29/11/2019

NAME OF BUYER

RAW MATERIAL SPECIFICATION : ASTM A105-18/ASME SA105-17

SPECIFICATION FOR INSPECTION : ANSI/ASME B16.5-2017

P.O NO. 70004 DT. 18/03/2019

INVOICE NO. EXP/19-3575 DT. 25/11/2019

**MECHANICAL REQUIREMENTS**

Sr No	Description	Qty (PCS)	Heat No.	Supp. Code	Y.S(PSI) Min 35,000	T.S(PSI) Min 70,000	E% Min 22%	RA% Min 30%	Heat Treatment	Soaking Time (Min.)	Hardness BHN 137-197
17	6 150# SOFF FLGS	1	H6983	19	49594	81473	33.62	68.30	AS FORGED		156 - 158
18	6 150# SOFF FLGS	3	H6933	19	51071	85174	33.84	68.76	AS FORGED		156 - 158
19	6 150# SOFF FLGS	2	H6966	19	49033	79535	33.64	68.39	AS FORGED		152 - 154
20	6 150# SOFF FLGS	6	H6984	19	52961	77033	37.34	68.54	AS FORGED		152 - 154
21	6 150# SOFF FLGS	1	H6578	19	52747	78057	33.68	68.87	AS FORGED		150 - 152
22	6 150# SOFF FLGS	1	H6715	19	50081	82787	33.98	66.44	AS FORGED		154 - 156
23	6 150# SOFF FLGS	1	H6828	19	51529	80069	33.64	69.04	AS FORGED		152 - 154
24	6 150# SOFF FLGS	7	H6717	19	53824	81087	33.70	67.20	AS FORGED		154 - 156

**CHEMICAL REQUIREMENTS**

Sr. No.	Heat No.	SPECIFIED ELEMENTS						UNSPECIFIED ELEMENTS				
		C.E. 0.47% Max	C 0.35 Max	Mn 0.60-1.25	P 0.035 Max	S 0.04 Max	Si 10 -0.35	Cu 0.40 Max	Ni 0.40 Max	Cr 0.30 Max	Mo 0.12 Max	V 0.05 Max
17	H6983	0.40	0.19	1.22	0.019	0.008	0.24	0.006	0.011	0.016	0.003	0.005
18	H6933	0.39	0.18	1.22	0.025	0.011	0.19	0.004	0.008	0.006	0.003	0.002
19	H6966	0.41	0.20	1.23	0.014	0.011	0.19	0.002	0.008	0.006	0.003	0.002
20	H6984	0.40	0.19	1.21	0.017	0.005	0.22	0.005	0.009	0.016	0.003	0.004
21	H6578	0.41	0.20	1.23	0.020	0.014	0.24	0.007	0.008	0.006	0.004	0.009
22	H6715	0.40	0.19	1.22	0.018	0.011	0.25	0.006	0.027	0.006	0.011	0.002
23	H6828	0.39	0.19	1.18	0.011	0.009	0.26	0.005	0.008	0.006	0.003	0.002
24	H6717	0.40	0.19	1.21	0.021	0.011	0.26	0.007	0.028	0.008	0.014	0.002

6" 150# FS S/O FLANGE--FLAT FACE--

Heat #: H6966

Material in accordance with NACE MRO 175-2015/ISO-15156 and NACE MRO 103-2015  
 All Products were manufactured, Sampled, Tested and Inspected Solely by the manufacturer shown on this Test Report in accordance with Indicated specification and were found to meet the requirements.

For R.N. GUPTA & COMPANY LTD. Page No : 3

No Weld Repair was performed and all products are free of Weld Repair. All Products are free of Mercury Contamination.  
 Note: We hereby confirm that our QA system comply with the requirements of Annex I, section 4.3 of PED 2014/68/EU  
 03-2020, ISO 9001-2015 Certificate No. is 39752-2008-AQ-IND-RvA Valid upto 22/07/2020. Product

*[Signature]*  
 LURGIST

06/12/2020

vide Certificate No.4487-2014-CE-IND-DNV GL valid u

Stock 4709895  
  
 MATCONOR MN150FSF13 6IN 150LB SLI  
 ON WELD FLANGE FF