



R.N. GUPTA & COMPANY LTD., C-55, FOCAL POINT, LUDHIANA -141 010 (INDIA)
MATERIAL / MILL TEST CERTIFICATE EN 10204 : 2004 - 3.1



CERTIFICATE NO. 17441 DATE 24/01/2021

NAME OF BUYER

RAW MATERIAL SPECIFICATION : ASTM A105-18/ASME SA105-19

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

P.O NO. 70847 DT. 14/12/2020

INVOICE NO. EXP/20-2306 DT. 20/01/2021

MECHANICAL REQUIREMENTS

Sr. No.	Description	Qty (PCS)	Heat No.	Supp. Code	Y.S(Psi) Min 36,000	T.S(Psi) Min 70,000	E% Min 22%	R.A% Min 30%	Heat Treatment	Soaking Time (Min.)	Hardness BHN 137-197
9	3 150# SOFF FLGS	54	H7372	20	49870	80044	33.86	69.13	AS FORGED		154 - 156
10	3 150# SOFF FLGS	56	H7371	20	49821	81849	33.90	68.70	AS FORGED		154 - 156
11	3 150# BLFF FLGS	15	H7334	6	49059	80791	33.66	68.30	AS FORGED		154 - 156
12	4 150# SOFF FLGS	172	H7345	20	47749	80314	33.90	68.79	AS FORGED		154 - 156
13	4 150# SOFF FLGS	36	H7406	19	49208	77866	33.70	68.18	AS FORGED		150 - 152
14	4 150# SOFF FLGS	2	H7369	20	48353	79258	33.92	68.66	AS FORGED		152 - 154
15	4 150# BLRF FLGS	50	H7359	20	48931	80734	33.86	69.07	AS FORGED		154 - 156
16	4 150# BLRF FLGS	160	H7407	20	50670	79277	33.96	68.93	AS FORGED		154 - 156

CHEMICAL REQUIREMENTS

Sr. No.	Heat No.	SPECIFIED ELEMENTS						UNSPECIFIED ELEMENTS						
		C.E. 0.47% Max	C 0.35 Max	Mn 0.60-1.05	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.	Pb 0.010 Max.	Al 0.020 Min.
9	H7372	0.39	0.20	0.91	0.033	0.024	0.22	0.204	0.040	0.103	0.010	0.001	0.001	0.024
10	H7371	0.40	0.20	0.91	0.033	0.017	0.23	0.084	0.050	0.160	0.012	0.003	0.001	0.027
11	H7334	0.43	0.22	1.22	0.024	0.012	0.28	0.003	0.005	0.010	0.001	0.001	0.001	0.049
12	H7345	0.39	0.21	0.92	0.033	0.013	0.23	0.120	0.039	0.081	0.007	0.001	0.001	0.024
13	H7406	0.40	0.22	0.93	0.032	0.012	0.23	0.052	0.026	0.100	0.004	0.001	0.001	0.025
14	H7369	0.39	0.21	0.90	0.032	0.020	0.23	0.077	0.039	0.081	0.011	0.001	0.001	0.026
15	H7359	0.41	0.22	0.93	0.033	0.017	0.25	0.077	0.039	0.133	0.006	0.001	0.001	0.028
16	H7407	0.39	0.21	0.92	0.032	0.014	0.25	0.050	0.033	0.104	0.005	0.002	0.001	0.024

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.

No Weld Repair was performed and all products are free of Weld Repair. All Products are free of Mercury Contamination and Radioactivity. The Material is produced with Fine Grain Practice.

Note: We hereby confirm that our QA system comply with the requirements of Annex I, section 4.3 of PED 2014/68/EU and it is certified by M/s DNV GL vide Certificate No. 4487-2014-CE-IND-DNV-GL Dated 31-03-2023 ISO 9001-2015 Certificate No. Is 39752-2008-AQ-IND-RVA Valid up to 22/12/2020. Products also conform to requirements of ASTM A105/ASME SA105 ALL NORMALISED MATERIALS ARE HEAT TREATED AT TEMP. 920 DEGREE CENTIGRADE.

For R.N. GUPTA & COMPANY LTD. Page No : 2

AJAY KUMAR BHARTI (METALLURGIST)

Stock 4709893 07/13/2021



**MATCONOR MN150FSF10 3IN 150LB SLII
ON WELD FLANGE FF**