

Heat # H7144

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



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

MATERIAL / MILL TEST CERTIFICATE EN 10204: 2004 - 3.1



CERTIFICATE NO. 16433 DATE 11/05/2020

NAME OF BUYER

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

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

P.O NO. 70624 DT. 28/02/2020

INVOICE NO. EXP/20-2008 DT. 07/05/2020

MECHANICAL REQUIREMENTS

Sr. No.	Description	Qty (PCS)	Heat No.	Supp. Code	Y.S (PSI) Min 30,000	Y.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	5	H7048	19	54840	60182	29.98	67.18	AS FORGED		158 - 158
18	6 150# BOFF FLGS	8	H7144	19	49287	72815	32.04	67.51	AS FORGED		142 - 144
19	6 150# SOFF FLGS	50	H7033	19	51253	82689	33.82	69.18	AS FORGED		158 - 158
20	6 150# SOFF FLGS	5	H8584	19	48706	78341	34.20	68.88	AS FORGED		152 - 154
21	3 150# WNFF STD FLOS	33	H7059	20	54058	80717	30.48	67.38	AS FORGED		154 - 158
22	3 150# WNFF STD FLGS	108	H7098	20	48893	73719	30.28	67.04	AS FORGED		152 - 154
23	3 150# WNFF STD FLGS	74	H7127	20	48950	79905	30.24	68.89	AS FORGED		152 - 154
24	3 150# WNFF STD FLGS	218	H7127	20	48950	79905	30.24	68.89	AS FORGED		152 - 154

CHEMICAL REQUIREMENTS

Sr. No.	Heat No.	SPECIFIED ELEMENTS						UNSPECIFIED ELEMENTS							
		C.E. 0.47% Max	C 0.38 Max	Mn 0.80-1.05	P 0.035 Max	S 0.04 Max	Si 0.10 -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	
17	H7045	0.41	0.20	1.23	0.018	0.009	0.22	0.002	0.008	0.010	0.003	0.003	0.010	0.030	
18	H7144	0.41	0.20	1.21	0.022	0.014	0.24	0.016	0.002	0.008	0.002	0.003	0.001	0.029	
19	H7033	0.42	0.21	1.23	0.018	0.005	0.23	0.006	0.008	0.010	0.008	0.002	0.010	0.028	
20	H8584	0.41	0.20	1.25	0.020	0.014	0.22	0.007	0.010	0.006	0.004	0.010	0.010	0.025	
21	H7059	0.40	0.21	0.93	0.028	0.014	0.24	0.092	0.029	0.088	0.014	0.005	0.010	0.027	
22	H7098	0.38	0.20	0.85	0.023	0.012	0.22	0.038	0.024	0.083	0.005	0.004	0.008	0.030	
23	H7127	0.40	0.21	0.95	0.024	0.015	0.28	0.087	0.047	0.100	0.010	0.004	0.005	0.027	
24	H7127	0.40	0.21	0.95	0.024	0.015	0.28	0.087	0.047	0.100	0.010	0.004	0.005	0.027	

Material in accordance with NACE MRO 175-2016/ISO-18186 and NACE MRO 183-2015

All Products were manufactured, Sampled, Tested and Inspected Satisfactorily 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.

Notes: We hereby confirm that our QM system comply with the requirements of Annex I, section 4.3 of PED 2014/68/EU and it is certified by N/A DNV BUSINESS ASSURANCE with Certificate No. 4487 2014-CE-IND-DNV-OL Dated 21-03-2020 ISO 9001:2015 Certificate No. IS 39762-2008-AC-IND-REA Valid up to 22/07/2020. 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.

AJAY KUMAR BHARTI (METALLURGIST)

Stock

4709895

08/17/2020

MATCONOR MN150FSF13 6IN 150LB SLI
ON WELD FLANGE FF