



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

MATERIAL / MILL TEST CERTIFICATE EN 10204 : 2004 - 3.1



CERTIFICATE NO. 17865 DATE 14/04/2021

NAME OF BUYER

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

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

P.O NO. 70852 DT. 15/12/0020

INVOICE NO. EXP/21-2028 DT: 09/04/2021

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 137-187
17	3 150# SORF FLGS	300	H7501	6	51753	78470	33.98	69.56	AS FORGED		152 - 154
18	3 150# SORF FLGS	300	H7501	6	51753	78470	33.98	69.56	AS FORGED		152 - 154
19	3 150# SORF FLGS	50	H7501	6	51753	78470	33.98	69.56	AS FORGED		152 - 154
20	6 150# LJ FLGS	144	H7498	19	49042	77837	31.68	64.35	AS FORGED		152 - 154
21	6 150# LJ FLGS	39	H7443	19	48310	81228	33.94	67.41	AS FORGED		152 - 154
22	6 150# LJ FLGS	105	H7498	19	49042	77837	31.68	64.35	AS FORGED		152 - 154

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 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	H7501	0.40	0.19	1.23	0.024	0.012	0.19	0.003	0.002	0.015	0.001	0.001	0.001	0.036
18	H7501	0.40	0.19	1.23	0.024	0.012	0.19	0.003	0.002	0.015	0.001	0.001	0.001	0.036
19	H7501	0.40	0.19	1.23	0.024	0.012	0.19	0.003	0.002	0.015	0.001	0.001	0.001	0.036
20	H7498	0.41	0.20	1.22	0.018	0.006	0.27	0.004	0.002	0.016	0.001	0.001	0.001	0.033
21	H7443	0.42	0.21	1.23	0.017	0.009	0.23	0.004	0.005	0.016	0.002	0.001	0.001	0.039
22	H7498	0.41	0.20	1.22	0.018	0.006	0.27	0.004	0.002	0.016	0.001	0.001	0.001	0.033

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 :

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.

Ajay Kumar
AJAY KUMAR BHARTI (METALLURGIST)

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 159822-2014-AQ-IND-RvA Valid up to 22/07/2023. Products also conform to requirements of ASTM A105/ASME SA105
ALL NORMALISED MATERIALS ARE HEAT TREATED AT TEMP. 920 DEGREE CENTIGRADE.