



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

F-MTR-01-01



CERTIFICATE NO. 20916 DATE 02/11/2022

NAME OF BUYER

RAW MATERIAL SPECIFICATION : ASTM A105-21/ASME SA105-19

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

P.O NO. 71847 DT. 13/09/2022

INVOICE NO. EXP/22-2385 DT. 01/11/2022

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
33	3 150# SORF FLGS	300	H8052	19	52295	74756	30.68	67.31	AS FORGED		154 - 156
34	6 150# SORF FLGS	144	H8107	19	52174	75164	37.26	67.51	AS FORGED		152 - 154
35	6 150# SORF FLGS	144	H8107	19	52174	75164	37.26	67.51	AS FORGED		152 - 154
36	6 150# SORF FLGS	144	H8107	19	52174	75164	37.26	67.51	AS FORGED		152 - 154
37	6 150# SORF FLGS	144	H8107	19	52174	75164	37.26	67.51	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 .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.
		33	H8052	0.41	0.20	1.21	0.019	0.007	0.23	0.005	0.003	0.020	0.003	0.002
34	H8107	0.41	0.20	1.21	0.019	0.007	0.23	0.004	0.004	0.014	0.002	0.001	0.001	0.027
35	H8107	0.41	0.20	1.21	0.019	0.007	0.23	0.004	0.004	0.014	0.002	0.001	0.001	0.027
36	H8107	0.41	0.20	1.21	0.019	0.007	0.23	0.004	0.004	0.014	0.002	0.001	0.001	0.027
37	H8107	0.41	0.20	1.21	0.019	0.007	0.23	0.004	0.004	0.014	0.002	0.001	0.001	0.027

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.

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No Weld Repair was performed and all products are free of Weld Repair. All Products are free of Mercury Contamination and Radioactivity.

AJAY KUMAR BHARTI (METALLURGIST)

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 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.