



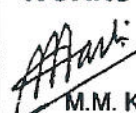


SHREE GANESH FORGINGS LIMITED

C-3/C, T.T.C. IND. AREA, THANE BELAPUR ROAD, PAWNE, NAVI MUMBAI, INDIA



QAD/F/04A-01

INSPECTION CERTIFICATE - EN 10204 / 3.1												
PED Certificate No. 07 202 1423 WZ 1263/08 and AD-2000 Merkblatt WO/TRD 100 Certificate No. 07 202 1423 WP 1263 08												
CLIENT : M/S.				PRODUCT : MACHINED STAINLESS STEEL FORGED FLANGES					CERTIFICATE NO. : EXP/2009-10/1484A			
ORDER NO: IOJ02325EDJ				MATERIAL SPECIFICATION : EN 10222-5, AD-2000, W0, W2, W9					DATE : 09.01.2010			
DATE 16.10.2009				GRADE : 1.4401/1.4404		STEEL MAKING PROCESS:- EAF			MANUFACTURER'S BRAND: 			
INVOICE NO -EXP 092/ARCUS/2009-2010 Dtd. 14.12.2009				DIMENSIONAL SPECIFICATION : EN 1092-1,					INSPECTORS STAMP: 			
CHEMICAL ANALYSIS												
SR.NO.	ITEM DESCRIPTION	QTY	H.NO./H.CODE	% C	% Mn	% Si	% S	% P	% Cr	% Ni	% Mo	% N2
1	TYPE 05/A NW 50 PN 40	200	J-590 / 2719	0.021	0.900	0.393	0.008	0.040	16.507	10.066	2.115	0.0630
2	TYPE 05/A NW 40 PN 40	80	J-590 / 2719	0.021	0.900	0.393	0.008	0.040	16.507	10.066	2.115	0.0630
3	TYPE 11/B1 NW 150/168.3PN 16	84	F-204 / 2686	0.025	1.575	0.484	0.017	0.037	16.657	10.053	2.071	0.0710
4	TYPE 11/B1 NW 150/168.3PN 16	25	F-204 / 2686	0.025	1.575	0.484	0.017	0.037	16.657	10.053	2.071	0.0710
MECHANICAL PROPERTIES												
S.NO.	H.NO./H.CODE	TENSILE STRENGTH Rm N/mm2	YIELD STRENGTH Rp N/mm2		% Elongation % A G.L = 50 mm	CHARPY IMPACT TEST V - NOTCH (JOULES) (+20°C)				Hardness BHN	IGC As per EN ISO 3651-2	HEAT TREATMENT
			0.2%	1%		I	II	III	AVEG			
1	J-590 / 2719	578.50	285.17	305.54	61.20	178	182	196	185.33	163	O.K	solution annealing at 1080 ±10°C, 1Hr for 1" Avg. Thk. & water quenched
2	J-590 / 2719	578.50	285.17	305.54	61.20	178	182	196	185.33	163	O.K	
3	F-204 / 2686	598.87	268.88	289.25	59.00	186	174	184	181.33	156	O.K	
4	F-204 / 2686	598.87	268.88	289.25	59.00	186	174	184	181.33	156	O.K	
REMARKS : 1) After solution annealing hardness found less than HRC 22 (237 BHN) according to "NACE MR 0103 AND MR 0175-2003. 2) 100% P.M.I test Carried out - satisfactory 3) Material free from mercury and radiation contamination. Radio-activity observed within limits of 30-50 nSv/h												WORKS INSPECTOR  M.M. KARKHANIS
We certify that the material have been manufactured, tested and examined in accordance with all the requirement of the ordered standard and all test result are acceptable.												