

MILL CERTIFICATE

CUSTOMER : UNIMECH ENGINEERING (M) SDN. BHD.
 ADDRESS : WISMA UNIMECH, 4934, JALAN CHAIN FERRY,
 12100 BUTTERWORTH, PENANG, MALAYSIA
 TEL: 60-43235823 FAX: 60-43325176

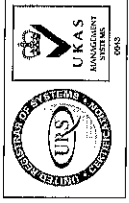
CERTIFICATE NO. : IE-2019-004
 DATE : JAN 22, 2019

NO.	DESCRIPTION OF GOODS	QTY (PCS)	HEAT NO.	CHEMICAL COMPOSITION (%)											MECHANICAL PROPERTY				DIMENSION AND SURFACE
				C	Si	Mn	P	S	Cr	Ni	Mo	Fe	T.S. MPa	Y.S. MPa	EL %	Hb			
1	SS304 CASTED PLANE FLANGE JIS 5K ID49.5 1-1/2"	100	H1011118	0.0656	0.8321	1.1055	0.0321	0.0221	18.2564	8.2525	-	71.4337	552	273	37	179	OK		
2	SS304 CASTED PLANE FLANGE JIS 5K ID62.0 2"	130	H3011118	0.0698	0.8648	1.1038	0.0355	0.0277	18.2647	8.2457	-	71.3880	555	275	38	175	OK		
3	SS304 CASTED PLANE FLANGE JIS 5K ID74.7 2-1/2"	100	H5011118	0.0624	0.8699	1.1019	0.0317	0.0288	18.2141	8.2991	-	71.3921	558	278	37	171	OK		
4	SS304 CASTED PLANE FLANGE JIS 10K ID22.3 1/2"	190	H7011118	0.0621	0.8155	1.1028	0.0328	0.0265	18.2847	8.2654	-	71.4102	551	271	39	173	OK		
5	SS304 CASTED PLANE FLANGE JIS 10K ID49.5 1-1/2"	30	H9011118	0.0669	0.8874	1.1017	0.0332	0.0279	18.2644	8.2174	-	71.4011	554	275	37	175	OK		
6	SS304 CASTED PLANE FLANGE JIS 10K ID62.0 2"	100	H1031118	0.0614	0.8548	1.1028	0.0399	0.0251	18.2281	8.2281	-	71.4598	557	278	38	177	OK		
7	SS304 CASTED PLANE FLANGE JIS 10K ID90.7 3"	150	H5031118	0.0625	0.8654	1.1039	0.0317	0.0232	18.2877	8.2545	-	71.3711	556	271	37	172	OK		
8	SS304 CASTED PLANE FLANGE JIS 10K ID221.5 8"	90	H1051118	0.0636	0.8314	1.1045	0.0375	0.0277	18.2666	8.2656	-	71.4031	551	274	39	174	OK		
9	SS304 CASTED PLANE FLANGE JIS 10K ID276.3 10"	40	H3051118	0.0674	0.8228	1.1017	0.0396	0.0228	18.2317	8.2441	-	71.4699	559	277	37	176	OK		
10	SS304 CASTED PLANE FLANGE JIS 20K ID22.3 1/2"	60	H5051118	0.0685	0.8114	1.1028	0.0369	0.0257	18.2658	8.2551	-	71.4338	557	273	38	172	OK		
11	SS304 CASTED PLANE FLANGE JIS 20K ID27.7 3/4"	20	H7051118	0.0696	0.8281	1.1036	0.0316	0.0281	18.2655	8.2658	-	71.4077	555	275	37	171	OK		
12	SS316 CASTED PLANE FLANGE JIS 5K ID62 2"	100	H2021118	0.0415	0.8651	1.1047	0.0375	0.0269	17.3114	10.2112	2.1477	68.2540	583	287	39	177	OK		
13	SS316 CASTED PLANE FLANGE JIS 5K ID90.7 3"	18	H4021118	0.0435	0.8122	1.0715	0.0328	0.0217	17.5644	10.2847	2.1647	68.0045	589	281	38	172	OK		
14	SS304 CASTED RAISED FLANGE DIN 2501 PN 10 ID221.5 8"	75	H9051118	0.0695	0.8281	1.1058	0.0317	0.0214	18.2884	8.2651	-	71.3900	555	275	37	178	OK		
15	SS304 CASTED RAISED FLANGE DIN 2501 PN 16 ID34.5 1"	220	H1071118	0.0674	0.8669	1.1061	0.0328	0.0269	18.2641	8.2258	-	71.4100	551	279	38	173	OK		
16	SS304 CASTED RAISED FLANGE DIN 2501 PN 16 ID143.8 5"	66	H5071118	0.0671	0.8331	1.1034	0.0317	0.0214	18.2281	8.2444	-	71.4708	553	273	37	179	OK		
17	SS304 CASTED RAISED FLANGE DIN 2501 PN 40 ID90.7 3"	30	H7071118	0.0666	0.8217	1.1028	0.0339	0.0222	18.2651	8.2281	-	71.4596	556	278	39	176	OK		
18	SS304 CASTED RAISED FLANGE DIN 2501 PN 40 ID143.8 5"	44	H9071118	0.0628	0.8258	1.1017	0.0391	0.0288	18.2284	8.2147	-	71.4987	557	275	37	174	OK		
19	SS316 CASTED RAISED FLANGE DIN 2501 PN 16 ID22.3 1/2"	40	H2041118	0.0419	0.8651	1.0739	0.0327	0.0267	17.3214	10.2214	2.1889	68.2280	581	282	38	173	OK		
20	SS316 CASTED RAISED FLANGE DIN 2501 PN 16 ID27.7 3/4"	30	H4041118	0.0437	0.8122	1.0775	0.0398	0.0266	17.3229	10.2455	2.1544	68.2774	589	288	37	171	OK		
21	SS316 CASTED RAISED FLANGE DIN 2501 PN 16 ID34.5 1"	20	H6041118	0.0419	0.8351	1.0735	0.0378	0.0214	17.3647	10.2211	2.1288	68.2757	583	281	39	179	OK		
22	SS316 CASTED RAISED FLANGE DIN 2501 PN 16 ID49.5 1-1/2"	80	H8041118	0.0428	0.8214	1.0716	0.0345	0.0288	17.1778	10.2881	2.1517	68.3833	587	287	38	177	OK		
23	SS316 CASTED RAISED FLANGE DIN 2501 PN 16 ID62 2"	80	H2061118	0.0449	0.8358	1.0779	0.0376	0.0264	17.5841	10.2658	2.1699	67.9576	584	283	39	172	OK		
24	SS316 CASTED RAISED FLANGE DIN 2501 PN 16 ID116.1 4"	15	H4061118	0.0435	0.8991	1.0721	0.0311	0.0231	17.1444	10.2661	2.1281	68.3925	586	289	37	171	OK		
25	SS316 CASTED RAISED FLANGE DIN 2501 PN 16 ID170.7 6"	25	H6061118	0.0428	0.8394	1.0725	0.0322	0.0277	17.1474	10.2217	2.1568	68.4595	581	285	39	177	OK		
26	SS316 CASTED RAISED FLANGE DIN 2501 PN 16 ID221.5 8"	15	H8061118	0.0417	0.8326	1.0717	0.0333	0.0228	17.4688	10.2987	2.1251	68.1053	583	281	38	173	OK		

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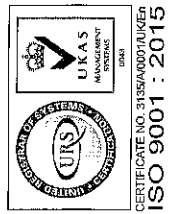
CERTIFICATE NO. 3156/AD001/UKAS
 ISO 9001 : 2015

NO.	DESCRIPTION OF GOODS	QTY (PCS)	HEAT NO.	CHEMICAL COMPOSITION (%)											MECHANICAL PROPERTY				DIMENSION AND SURFACE
				C	Si	Mn	P	S	Cr	Ni	Mo	Fe	T.S. MPa	Y.S. MPa	EL %	Hb			
27	SS304 CASTED BLIND FLANGE JIS 5K 12"	20	H1091118	0.0639	0.8895	1.1045	0.0314	0.0211	18.2969	8.2648	-	71.3279	557	273	37	176	OK		
28	SS304 CASTED BLIND FLANGE JIS 10K 3"	50	H3091118	0.0619	0.8317	1.1078	0.0399	0.0299	18.2984	8.2654	-	71.3650	559	277	39	179	OK		
29	SS304 CASTED BLIND FLANGE JIS 10K 4"	30	H5091118	0.0628	0.8318	1.1098	0.0375	0.0235	18.2144	8.2651	-	71.4551	553	279	37	172	OK		
30	SS304 CASTED BLIND FLANGE JIS 10K 10"	30	H1111318	0.0639	0.8189	1.1032	0.0395	0.0217	18.2658	8.2847	-	71.4023	551	271	38	175	OK		
31	SS304 CASTED BLIND RAISED FLANGE ANSI 150LBS 1"	20	H3131118	0.0674	0.8336	1.1012	0.0356	0.0222	18.2647	8.2654	-	71.4099	555	275	37	178	OK		
32	SS304 CASTED BLIND RAISED FLANGE DIN 2501 PN 10 NR8 3"	30	H5131118	0.0685	0.8217	1.1045	0.0341	0.0247	18.2641	8.2999	-	71.3825	557	279	38	171	OK		
33	SS304 CASTED BLIND RAISED FLANGE DIN 2501 PN 16 3"	60	H7131118	0.0696	0.8548	1.1078	0.0328	0.0266	18.2688	8.2144	-	71.4252	552	273	37	174	OK		
34	SS304 CASTED BLIND RAISED FLANGE DIN 2501 PN 16 4"	185	H9131118	0.0635	0.8571	1.1095	0.0357	0.0232	18.2177	8.2551	-	71.4382	551	271	39	177	OK		
35	SS304 CASTED BLIND RAISED FLANGE DIN 2501 PN 16 8"	20	H1151118	0.0615	0.8311	1.1075	0.0344	0.0278	18.2136	8.2559	-	71.4682	553	276	37	179	OK		
36	SS304 CASTED BLIND RAISED FLANGE DIN 2501 PN 40 2"	10	H3151118	0.0674	0.8999	1.1015	0.0328	0.0224	18.2844	8.2646	-	71.3270	558	274	38	175	OK		
37	SS304 CASTED BLIND RAISED FLANGE DIN 2501 PN 40 5"	4	H5151118	0.0685	0.8321	1.1035	0.0317	0.0229	18.2588	8.2564	-	71.4261	551	279	39	177	OK		
38	SS304 CASTED SORF FLANGE ANSI 150LBS 1/2"	240	H7151118	0.0696	0.8144	1.1028	0.0366	0.0214	18.2981	8.2515	-	71.4056	556	277	37	173	OK		
39	SS304 CASTED SORF FLANGE ANSI 150LBS 1"	400	H9151118	0.0615	0.8215	1.1017	0.0391	0.0274	18.2854	8.2648	-	71.3986	557	272	38	171	OK		
40	SS304 CASTED SORF FLANGE ANSI 150LBS 1-1/2"	200	H1171118	0.0636	0.8658	1.1039	0.0358	0.0285	18.2988	8.2719	-	71.3317	552	275	37	179	OK		
41	SS304 CASTED SORF FLANGE ANSI 150LBS 2"	100	H3171118	0.0679	0.8219	1.1011	0.0366	0.0211	18.2554	8.2661	-	71.4299	553	279	39	171	OK		
42	SS304 CASTED SORF FLANGE ANSI 150LBS 3"	310	H5171118	0.0623	0.8555	1.1044	0.0351	0.0224	18.2544	8.2687	-	71.3972	558	272	37	179	OK		
43	SS304 CASTED SORF FLANGE ANSI 150LBS 4"	220	H7171118	0.0628	0.8332	1.1028	0.0387	0.0218	18.2287	8.2166	-	71.4954	554	275	39	173	OK		
44	SS304 CASTED SORF FLANGE ANSI 150LBS 5"	50	H9151118	0.0618	0.8331	1.1017	0.0328	0.0266	18.2177	8.2814	-	71.4449	557	278	37	177	OK		
45	SS304 CASTED SORF FLANGE ANSI 150LBS 6"	46	H1191118	0.0632	0.8217	1.1096	0.0316	0.0219	18.2288	8.2241	-	71.4991	552	271	38	178	OK		
46	SS304 CASTED SORF FLANGE ANSI 150LBS 8"	150	H3191118	0.0699	0.8221	1.1033	0.0322	0.0214	18.2321	8.2847	-	71.4343	551	274	37	172	OK		
47	SS304 CASTED SORF FLANGE ANSI 300LBS 3/4"	30	H5191118	0.0628	0.8559	1.1022	0.0351	0.0298	18.2199	8.2994	-	71.3949	553	277	39	171	OK		
48	SS304 CASTED SORF FLANGE ANSI 300LBS 3"	10	H7191118	0.0617	0.8325	1.1011	0.0387	0.0258	18.2321	8.2528	-	71.4553	554	273	37	177	OK		
49	SS316 CASTED SORF FLANGE ANSI 150LBS 1/2"	155	H2081118	0.0411	0.8331	1.0718	0.0388	0.0288	17.2147	10.2444	2.1144	68.4129	586	286	38	172	OK		
50	SS316 CASTED SORF FLANGE ANSI 150LBS 1-1/4"	10	H4081118	0.0436	0.8659	1.0777	0.0360	0.0211	17.3151	10.2548	2.1728	68.2130	589	285	39	178	OK		
51	SS316 CASTED SORF FLANGE ANSI 150LBS 2"	250	H6081118	0.0474	0.8333	1.0791	0.0321	0.0251	17.3188	10.2878	2.1564	68.2200	583	282	38	173	OK		
52	SS316 CASTED SORF FLANGE ANSI 150LBS 2-1/2"	20	H8081118	0.0485	0.8314	1.0717	0.0328	0.0247	17.3221	10.2995	2.1447	68.2246	581	288	39	179	OK		



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				C	Si	Mn	P	S	Cr	Ni	Mo	Fe	T.S. MPa	Y.S. MPa	EL %	HB	
53	SS316 CASTED SORF FLANGE ANSI 150LBS 3"	200	H2101118	0.0496	0.8581	1.0799	0.0317	0.0231	17.6517	10.2111	2.1999	67.8949	584	281	37	177	OK
54	SS316 CASTED SORF FLANGE ANSI 150LBS 4"	120	H4101118	0.0415	0.8325	1.0733	0.0335	0.0239	17.6555	10.2657	2.1314	67.9427	588	284	39	175	OK
55	SS316 CASTED SORF FLANGE ANSI 150LBS 5"	10	H6101118	0.0486	0.8388	1.0728	0.0388	0.0287	17.9551	10.2488	2.1881	67.5803	585	287	37	173	OK
56	SS316 CASTED SORF FLANGE ANSI 150LBS 8"	10	H8101118	0.0431	0.8322	1.0787	0.0314	0.0211	17.1747	10.2669	2.1898	68.3621	582	289	39	171	OK
57	SS304 CASTED WNRFL FLANGE ANSI 150LBS 2"	30	H9191118	0.0699	0.8551	1.1022	0.0398	0.0278	18.2984	8.2631	-	71.3437	556	276	38	175	OK

REMARK : DRAWN UNDER : OCBC BANK (MALAYSIA) BERHAD
LC NO : LCM7318000547
DATED : 181207

Q.A. MANAGER : DIRECTOR :

