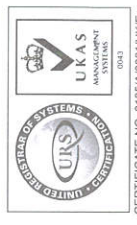


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CERTIFICATE NO. 3135/A0010UKEN
ISO 9001 : 2015



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-2021-047
 DATE : JUN 19, 2021

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			
																	T.S. MPa	Y.S. MPa	
1	SS304 CASTED PLANE FLANGE JIS 5K ID27.7 3/4"	400	H3170521	0.0693	0.8142	1.1016	0.0314	0.0224	17.7512	8.1421	-	72.0678	555	273	37	172	OK		
2	SS304 CASTED PLANE FLANGE JIS 5K ID62.0 2"	1,000	H3170521	0.0624	0.8198	0.9214	0.0351	0.0255	17.7591	8.2148	-	72.1619	554	274	38	174	OK		
3	SS304 CASTED PLANE FLANGE JIS 5K ID221.5 8"	40	H7170521	0.0596	0.7986	0.9762	0.0298	0.0296	17.8241	8.1874	-	72.0947	556	272	39	175	OK		
4	SS304 CASTED PLANE FLANGE JIS 5K ID327.1 12"	12	H9170521	0.0636	0.7765	1.1031	0.0336	0.0236	17.8632	8.2355	-	71.9009	558	278	37	173	OK		
5	SS304 CASTED PLANE FLANGE JIS 10K ID34.5 1"	200	H1190521	0.0582	0.7983	1.1019	0.0298	0.0288	17.7989	8.1986	-	71.9855	559	276	38	176	OK		
6	SS304 CASTED PLANE FLANGE JIS 10K ID43.2 1-1/4"	300	H3190521	0.0636	0.8142	0.9148	0.0357	0.0279	17.7551	8.1894	-	72.1993	552	279	37	179	OK		
7	SS304 CASTED PLANE FLANGE JIS 10K ID49.5 1-1/2"	200	H3190521	0.0622	0.8136	1.1069	0.0361	0.0263	17.9142	8.2331	-	71.8076	554	271	39	175	OK		
8	SS304 CASTED PLANE FLANGE JIS 10K ID62.0 2"	1,000	H7190521	0.0579	0.8197	1.1019	0.0281	0.0217	17.9012	8.2241	-	71.8454	556	274	37	178	OK		
9	SS304 CASTED PLANE FLANGE JIS 10K ID74.7 2-1/2"	100	H5090621	0.0636	0.7736	0.9314	0.0336	0.0296	17.9036	8.2395	-	72.0251	557	272	39	172	OK		
10	SS304 CASTED PLANE FLANGE JIS 10K ID90.7 3"	1,200	H9190521	0.0573	0.7913	0.9571	0.0324	0.0235	17.7581	8.1756	-	72.2047	559	278	37	174	OK		
11	SS304 CASTED PLANE FLANGE JIS 10K ID143.8 5"	200	H1210521	0.0625	0.7739	1.1058	0.0288	0.0227	17.8246	8.2321	-	71.9496	552	276	38	177	OK		
12	SS304 CASTED PLANE FLANGE JIS 10K ID327.1 12"	30	H3210521	0.0618	0.8134	0.9359	0.0279	0.0248	17.9013	8.1987	-	72.0362	554	273	37	176	OK		
13	SS304 CASTED PLANE FLANGE TABLE E ID22.3 1/2"	20	H5210521	0.0669	0.8187	1.1036	0.0363	0.0252	17.7639	8.1824	-	72.0030	555	272	39	179	OK		
14	SS304 CASTED PLANE FLANGE TABLE E ID27.7 3/4"	20	H7210521	0.0578	0.7982	1.1075	0.0277	0.0224	17.7781	8.2236	-	71.9847	551	274	37	177	OK		
15	SS304 CASTED PLANE FLANGE TABLE E ID34.5 1"	60	H9210521	0.0631	0.7955	0.9781	0.0369	0.0211	17.8645	8.1983	-	72.0425	556	271	38	175	OK		
16	SS304 CASTED PLANE FLANGE TABLE E ID49.5 1-1/2"	40	H1250521	0.0576	0.8148	1.1048	0.0293	0.0224	17.8781	8.2213	-	71.8717	556	277	38	174	OK		
17	SS304 CASTED PLANE FLANGE TABLE E ID62.0 2"	30	H3250521	0.0625	0.7936	0.9815	0.0336	0.0279	17.9012	8.2391	-	71.9606	559	272	39	172	OK		
18	SS304 CASTED PLANE FLANGE TABLE E ID221.5 8"	10	H5250521	0.0596	0.8233	1.1033	0.0296	0.0227	17.7690	8.0933	-	72.0992	558	274	39	174	OK		
19	SS316 CASTED PLANE FLANGE JIS 5K ID43.2 1-1/4"	100	H2240521	0.0378	0.9066	1.0133	0.0278	0.0236	16.8471	10.1333	2.1124	68.8981	581	284	37	176	OK		
20	SS316 CASTED PLANE FLANGE JIS 10K ID34.5 1"	200	H4240521	0.0469	0.8864	0.9112	0.0348	0.0239	16.6913	10.0888	2.1079	69.2088	585	285	39	174	OK		
21	SS316 CASTED PLANE FLANGE JIS 10K ID43.2 1-1/4"	10	H6240521	0.0456	0.8814	0.9251	0.0358	0.0258	16.7135	10.1424	2.0314	69.1990	582	287	38	176	OK		
22	SS316 CASTED PLANE FLANGE JIS 10K ID49.5 1-1/2"	200	H8240521	0.0395	0.8956	0.9242	0.0360	0.0269	16.8145	10.0142	2.0177	69.2314	586	285	39	174	OK		
23	SS316 CASTED PLANE FLANGE JIS 10K ID74.7 2-1/2"	30	H2280521	0.0455	0.8861	0.9536	0.0276	0.0242	16.6914	10.0355	2.0491	69.2870	587	288	37	175	OK		
24	SS316 CASTED PLANE FLANGE JIS 10K ID90.7 3"	150	H4280521	0.0483	0.8964	0.9175	0.0336	0.0258	16.7512	10.1243	2.1142	69.0887	586	281	39	172	OK		
25	SS316 CASTED PLANE FLANGE JIS 10K ID170.7 6"	30	H6280521	0.0381	0.8762	1.0746	0.0298	0.0269	16.6993	10.0481	2.0984	69.1086	589	286	38	174	OK		
26	SS316 CASTED PLANE FLANGE JIS 10K ID221.5 8"	14	H8280521	0.0456	0.8736	1.0615	0.0281	0.0249	16.7289	10.1893	2.1046	68.9455	585	283	38	178	OK		

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CERTIFICATE NO. : IE-2021-047
 DATE : JUN 19, 2021

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 RAISED FLANGE DIN 2501 PN 10 ID22.3 1/2"	20	H7250521	0.0634	0.8189	1.1079	0.0336	0.0263	17.9142	8.1947	-	71.8410	553	271	37	178	OK
28	SS304 CASTED RAISED FLANGE DIN 2501 PN 10 ID27.7 3/4"	20	H9250521	0.0648	0.7931	1.1088	0.0320	0.0275	17.8630	8.2231	-	71.8877	556	275	38	176	OK
29	SS304 CASTED RAISED FLANGE DIN 2501 PN 16 ID62.0 2"	300	H1270521	0.0646	0.7814	1.1051	0.0324	0.0258	17.7142	8.2153	-	72.0612	555	274	38	177	OK
30	SS304 CASTED RAISED FLANGE DIN 2501 PN 16 ID90.7 3"	200	H3270521	0.0579	0.7965	1.1069	0.0263	0.0240	17.8246	8.2012	-	71.9626	557	278	37	175	OK
31	SS304 CASTED RAISED FLANGE DIN 2501 PN 16 ID143.8 5"	50	H5270521	0.0636	0.8133	0.9864	0.0357	0.0258	17.7814	8.1989	-	72.0949	558	271	39	176	OK
32	SS304 CASTED RAISED FLANGE DIN 2501 PN 16 ID276.3 10"	20	H7270521	0.0588	0.7966	1.1049	0.0271	0.0263	17.8635	8.2114	-	71.9114	559	272	37	178	OK
33	SS316 CASTED RAISED FLANGE DIN 2501 PN 16 ID22.3 1/2"	30	H2040621	0.0478	0.9142	0.9122	0.0336	0.0217	16.8495	10.1341	2.0954	68.9915	587	288	38	175	OK
34	SS316 CASTED RAISED FLANGE DIN 2501 PN 16 ID43.2 1-1/4"	10	H4040621	0.0369	0.9045	1.0220	0.0375	0.0269	16.8662	10.0499	2.0814	68.9747	585	281	39	178	OK
35	SS316 CASTED RAISED FLANGE DIN 2501 PN 16 ID49.5 1-1/2"	50	H6040621	0.0424	0.8964	1.0011	0.0339	0.0248	16.7536	10.0471	2.1131	69.0876	582	287	38	175	OK
36	SS316 CASTED RAISED FLANGE DIN 2501 PN 16 ID62 2"	120	H8040621	0.0389	0.9083	1.0245	0.0281	0.0214	16.7895	10.1335	2.0243	69.0315	588	286	37	175	OK
37	SS316 CASTED RAISED FLANGE DIN 2501 PN 16 ID74.7 2-1/2"	100	H2080621	0.0436	0.8241	1.0724	0.0328	0.0281	16.7514	10.1421	2.0341	69.0714	582	287	38	176	OK
38	SS316 CASTED RAISED FLANGE DIN 2501 PN 16 ID90.7 3"	12	H4080621	0.0424	0.8691	1.0785	0.0345	0.0254	16.6914	10.0985	2.1148	69.0454	585	281	39	177	OK
39-	SS304 CASTED BLIND FLANGE JIS 5K 1"	30	H9270521	0.0669	0.7936	1.1036	0.0322	0.0236	17.8526	8.2124	-	71.9151	559	277	37	178	OK
40	SS304 CASTED BLIND FLANGE JIS 10K 1/2"	100	H1290521	0.0648	0.7861	1.1023	0.0317	0.0286	17.8555	8.1782	-	71.9528	554	272	37	178	OK
41	SS304 CASTED BLIND FLANGE JIS 10K 3/4"	20	H3290521	0.0652	0.7951	0.9824	0.0325	0.0281	17.7814	8.2115	-	72.1038	555	271	37	177	OK
42-	SS304 CASTED BLIND FLANGE JIS 10K 1"	50	H3290521	0.0669	0.8142	0.9781	0.0275	0.0269	17.8124	8.2132	-	72.0608	554	274	38	175	OK
43	SS304 CASTED BLIND FLANGE JIS 10K 1-1/4"	20	H7290521	0.0596	0.7986	0.9931	0.0358	0.0245	17.7945	8.1898	-	72.1041	558	275	37	178	OK
44	SS304 CASTED BLIND FLANGE JIS 10K 1-1/2"	30	H9290521	0.0627	0.7864	1.1058	0.0298	0.0214	17.7514	8.1889	-	72.0536	556	278	39	177	OK
45	SS304 CASTED BLIND FLANGE JIS 10K 2-1/2"	10	H1310521	0.0576	0.8142	1.1024	0.0278	0.0285	17.8322	8.1781	-	71.9592	552	276	37	179	OK
46	SS304 CASTED BLIND FLANGE JIS 10K 5"	30	H3310521	0.0678	0.7967	0.9246	0.0364	0.0269	17.7915	8.1986	-	72.1575	554	279	38	176	OK
47	SS304 CASTED BLIND FLANGE JIS 10K 6"	70	H3310521	0.0558	0.7864	1.1028	0.0276	0.0224	17.8613	8.2241	-	71.9196	555	272	37	172	OK
48	SS304 CASTED BLIND FLANGE JIS 10K 8"	12	H7310521	0.0669	0.7781	1.1048	0.0333	0.0288	17.7982	8.1987	-	71.9912	558	274	39	174	OK
49	SS304 CASTED BLIND FLANGE TABLE E 2"	10	H9310521	0.0669	0.8136	1.1069	0.0327	0.0251	17.7981	8.2135	-	71.9432	556	277	37	172	OK
50	SS316 CASTED BLIND FLANGE JIS 10K 4"	10	H6080621	0.0491	0.8891	1.0727	0.0294	0.0248	16.7913	10.1128	2.0983	68.9325	589	285	39	174	OK
51	SS304 CASTED BLIND RAISED FLANGE ANSI 150LBS 1/2"	100	H1030621	0.0657	0.8165	1.1069	0.0324	0.0296	17.7148	8.2114	-	72.0227	554	278	38	178	OK
52	SS304 CASTED BLIND RAISED FLANGE ANSI 150LBS 3/4"	200	H3030621	0.0598	0.8046	0.9931	0.0318	0.0236	17.7914	8.1987	-	72.0970	551	276	37	176	OK

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				C	Si	Mn	P	S	Cr	Ni	Mo	Fe	T.S. MPa	Y.S. MPa	EL %	Hb			
53	SS304 CASTED BLIND RAISED FLANGE ANSI 150LBS 2-1/2"	100	H5030621	0.0657	0.8041	0.9814	0.0366	0.0247	17.8136	8.1877	-	72.0862	555	279	39	179	OK		
54	SS304 CASTED BLIND RAISED FLANGE ANSI 150LBS 3"	60	H7030621	0.0669	0.7932	1.1056	0.0337	0.0285	17.9015	8.2241	-	71.8465	559	276	37	176	OK		
55	SS304 CASTED BLIND RAISED FLANGE ANSI 150LBS 4"	100	H9030621	0.0622	0.8127	1.1048	0.0364	0.0214	17.9142	8.0947	-	71.9536	552	279	39	175	OK		
56	SS304 CASTED BLIND RAISED FLANGE ANSI 150LBS 6"	25	H1050621	0.0586	0.8132	0.9964	0.0269	0.0239	17.8633	8.1799	-	72.0378	553	279	38	171	OK		
57	SS304 CASTED BLIND RAISED FLANGE ANSI 150LBS 12"	5	H3050621	0.0655	0.8244	1.1099	0.0251	0.0275	17.8914	8.2136	-	71.8426	554	278	37	173	OK		
58	SS304 CASTED BLIND RAISED FLANGE ANSI 300LBS 3"	10	H5050621	0.0663	0.7914	1.1024	0.0385	0.0255	17.7912	8.2142	-	71.9705	555	274	38	177	OK		
59	SS304 CASTED BLIND RAISED FLANGE DIN 2501 PN 16 2"	60	H7050621	0.0624	0.8129	1.1019	0.0321	0.0296	17.8636	8.1986	-	71.8989	556	278	37	176	OK		
60	SS304 CASTED BLIND RAISED FLANGE DIN 2501 PN 16 2-1/2"	40	H9050621	0.0636	0.8036	0.9348	0.0267	0.0239	17.7961	8.2243	-	72.1270	556	271	39	178	OK		
61	SS304 CASTED BLIND RAISED FLANGE DIN 2501 PN 16 3"	50	H1070621	0.0658	0.7814	1.1141	0.0348	0.0288	17.9114	8.0964	-	71.9673	557	279	38	171	OK		
62	SS304 CASTED BLIND RAISED FLANGE DIN 2501 PN 16 6"	40	H3070621	0.0587	0.8125	1.1139	0.0379	0.0269	17.8547	8.2351	-	71.8603	552	278	37	174	OK		
63	SS304 CASTED BLIND RAISED FLANGE DIN 2501 PN 16 10"	6	H5070621	0.0657	0.8142	0.9855	0.0369	0.0269	17.7541	8.2112	-	72.1055	554	278	37	172	OK		
64	SS316 CASTED BLIND RAISED FLANGE ANSI 150LBS 3"	10	H8080621	0.0391	0.8824	1.0757	0.0324	0.0222	16.6891	10.1891	2.0415	69.0285	586	287	38	173	OK		
65	SS316 CASTED BLIND RAISED FLANGE DIN 2501 PN 16 3"	10	H2100621	0.0386	0.8913	0.9936	0.0297	0.0248	16.7315	10.0864	2.1149	69.0892	589	286	39	177	OK		
66	SS304 CASTED SORF FLANGE ANSI 150LBS 1"	250	H7070621	0.0627	0.7927	1.1028	0.0336	0.0275	17.8251	8.2191	-	71.9365	554	277	38	179	OK		
67	SS304 CASTED SORF FLANGE ANSI 150LBS 1-1/2"	150	H9090621	0.0593	0.8142	1.1055	0.0298	0.0217	17.8142	8.2189	-	71.9364	555	279	38	177	OK		
68	SS304 CASTED SORF FLANGE ANSI 150LBS 2-1/2"	250	H7090621	0.0658	0.7962	1.1048	0.0344	0.0256	17.7986	8.2263	-	71.9483	557	276	39	173	OK		
69	SS304 CASTED SORF FLANGE ANSI 150LBS 8"	70	H9070621	0.0688	0.7914	1.1045	0.0241	0.0266	17.7985	8.1894	-	71.9967	556	276	37	178	OK		
70	SS304 CASTED SORF FLANGE ANSI 300LBS 1/2"	20	H1090621	0.0685	0.8142	1.1058	0.0358	0.0248	17.8149	8.2241	-	71.9119	556	275	39	179	OK		
71	SS316 CASTED SORF FLANGE ANSI 150LBS 1"	120	H4100621	0.0457	0.8861	1.0745	0.0341	0.0245	16.6871	10.1256	2.0994	69.0230	585	284	38	172	OK		
72	SS316 CASTED SORF FLANGE ANSI 150LBS 1-1/2"	150	H6100621	0.0469	0.8948	1.0618	0.0296	0.0255	16.7810	10.0981	2.1145	68.9478	587	282	37	174	OK		
73	SS316 CASTED SORF FLANGE ANSI 150LBS 2"	50	H8100621	0.0466	0.8886	1.0251	0.0363	0.0269	16.6999	10.1980	2.0596	69.0190	589	286	39	176	OK		
74	SS304 CASTED WNRF FLANGE ANSI 150LBS 5"	10	H5090621	0.0648	0.8056	1.1069	0.0314	0.0239	17.7512	8.2318	-	71.9844	556	279	37	178	OK		



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REMARK : DRAWN UNDER : OCBC BANK (MALAYSIA) BERHAD
LC NO. : LCM7311001302
DATED : 210609

Q.A. MANAGER

Wagch

DIRECTOR :

[Signature]
PT. PERONI KARYA SENTRA