

CHEMICAL ANALYSIS AND MECHANICAL MILL TEST CERTIFICATE (EN 10204-3.1)

This to certify that in accordance with the relevant product specifications, technique conditions and contract stipulations,
the flanges were tested qualified by our quality control department

CLIENT: Unimech Engineering (M) Sdn. Bhd		CERTIFICATE REF. NO.: XF-UJEM082																					
CONTRACT NO.: ZPO-2010-0007		DATE OF REPORT: 2020-10-8																					
GOOD DESCRIPTION: 3250PCS OF FLANGES																							
<i>nickel steel (new thickness)</i>																							
Item	Name	Size	QTY/PC	Physical properties										Chemical Analyses									
				Material	Heat No	TS	YS	E	R	H	C	Mn	P	S	Si	Cu	Ni	Cr	Mo				
1	PLAT FLANGE ANSI 150#	3/4"	100	SS400	15055	375	255	30	41	159	0.14	0.42	0.011	0.012	0.12	/	/	0.13	/				
2	PLAT FLANGE ANSI 150#	2.1/2"	130	SS400	15055	375	255	30	41	159	0.14	0.42	0.011	0.012	0.12	/	/	0.13	/				
3	PLAT FLANGE ANSI 150#	3"	460	SS400	15055	375	255	30	41	159	0.14	0.42	0.011	0.012	0.12	/	/	0.13	/				
4	PLAT FLANGE ANSI 150#	4"	300	SS400	15055	375	255	30	41	159	0.14	0.42	0.011	0.012	0.12	/	/	0.13	/				
5	PLAT FLANGE ANSI 150#	6"	200	SS400	15055	375	255	30	41	159	0.14	0.42	0.011	0.012	0.12	/	/	0.13	/				
6	ANSI 150# BLIND	3/4"	50	SS400	15055	375	255	30	41	159	0.14	0.42	0.011	0.012	0.12	/	/	0.13	/				
7	ANSI 150# BLIND	1"	70	SS400	15055	375	255	30	41	159	0.14	0.42	0.011	0.012	0.12	/	/	0.13	/				
8	ANSI 150# BLIND	3"	100	SS400	15055	375	255	30	41	159	0.14	0.42	0.011	0.012	0.12	/	/	0.13	/				
9	ANSI 150# BLIND	6"	20	SS400	15055	375	255	30	41	159	0.14	0.42	0.011	0.012	0.12	/	/	0.13	/				
10	ANSI 150# BLIND	10"	10	SS400	15055	375	255	30	41	159	0.14	0.42	0.011	0.012	0.12	/	/	0.13	/				
11	ANSI 300# BLIND	4"	8	SS400	15055	375	255	30	41	159	0.14	0.42	0.011	0.012	0.12	/	/	0.13	/				
12	ANSI 300# BLIND	12"	2	SS400	15055	375	255	30	41	159	0.14	0.42	0.011	0.012	0.12	/	/	0.13	/				
13	TABLE E PLAT FLANGE	2.1/2"	40	ST37.2	24410	388	255	29	41	165	0.15	0.45	0.011	0.012	0.12	/	/	0.12	/				
14	TABLE E PLAT FLANGE	3"	300	ST37.2	24410	388	255	29	41	165	0.15	0.45	0.011	0.012	0.12	/	/	0.12	/				
15	TABLE E PLAT FLANGE	4"	500	ST37.2	24410	388	255	29	41	165	0.15	0.45	0.011	0.012	0.12	/	/	0.12	/				
16	TABLE E PLAT FLANGE	6"	150	ST37.2	24410	388	255	29	41	165	0.15	0.45	0.011	0.012	0.12	/	/	0.12	/				
17	TABLE E PLAT FLANGE	12"	60	ST37.2	24410	388	255	29	41	165	0.15	0.45	0.011	0.012	0.12	/	/	0.12	/				
18	TABLE E BLIND	8"	20	SS400	24410	388	255	29	41	165	0.15	0.45	0.011	0.012	0.12	/	/	0.12	/				
19	JIS 10K PLAT FLANGE	1/2"	600	SS400	15056	387	242	31	42	166	0.14	0.47	0.013	0.009	0.11	/	/	0.14	/				
20	JIS 10K PLAT FLANGE	1.1/2"	130	SS400	15056	387	242	31	42	166	0.14	0.47	0.013	0.009	0.11	/	/	0.14	/				
TOTAL			3250																				

Visual examination: Without Complaint
 Dimensional inspection: Without Complaint
 Surface crack inspection: Without Complaint

We hereby certify that product described herein have been manufactured, sampled, inspected and tested in accordance with the standard and also with the purchaser's requirements and the result is acceptable.

INSPECTOR: 赵之强

Manufacturer: HEBEI XINFEI HIGH-PRESSURE FLANGE AND PIPE FITTING CO., LTD., LTD



CHEMICAL ANALYSIS AND MECHANICAL MILL TEST CERTIFICATE (EN 10204-3.1)

This to certify that in accordance with the relevant product specifications, technique conditions and contract stipulations,
the flanges were tested qualified by our quality control department

CLIENT: Unimech Engineering (M) Sdn. Bhd		CERTIFICATE REF. NO.: XF-UEM082																					
CONTRACT NO.: ZPO-2010-0007		DATE OF REPORT: 2020-10-8																					
GOOD DESCRIPTION: 7035PCS OF FLANGE																							
MARK OF MANUFACTURER: XF																							
Item	Name	Size	QTY/PC	Physical properties										Chemical Analyses									
				Material	Heat No	TS	YS	E	R	H	C	Mn	P	S	Si	Cu	Ni	Cr	Mo				
21	JIS 10K PLAT FLANGE	2"	1500	SS400	15056	387	242	31	42	166	0.14	0.47	0.013	0.009	0.11	/	/	0.14	/				
22	JIS 10K PLAT FLANGE	2.1/2"	320	SS400	15056	387	242	31	42	166	0.14	0.47	0.013	0.009	0.11	/	/	0.14	/				
23	JIS 10K PLAT FLANGE	3"	1500	SS400	15056	387	242	31	42	166	0.14	0.47	0.013	0.009	0.11	/	/	0.14	/				
24	JIS 10K PLAT FLANGE	4"	1500	SS400	15056	387	242	31	42	166	0.14	0.47	0.013	0.009	0.11	/	/	0.14	/				
25	JIS 10K PLAT FLANGE	6"	200	SS400	15056	387	242	31	42	166	0.14	0.47	0.013	0.009	0.11	/	/	0.14	/				
26	JIS 10K PLAT FLANGE	8"	500	SS400	15056	387	242	31	42	166	0.14	0.47	0.013	0.009	0.11	/	/	0.14	/				
27	JIS 10K BLIND	1"	50	SS400	15056	387	242	31	42	166	0.14	0.47	0.013	0.009	0.11	/	/	0.14	/				
28	JIS 10K BLIND	1.1/2"	40	SS400	15056	387	242	31	42	166	0.14	0.47	0.013	0.009	0.11	/	/	0.14	/				
29	JIS 10K BLIND	2"	120	SS400	15056	387	242	31	42	166	0.14	0.47	0.013	0.009	0.11	/	/	0.14	/				
30	JIS 10K BLIND	4"	150	SS400	15056	387	242	31	42	166	0.14	0.47	0.013	0.009	0.11	/	/	0.14	/				
31	JIS 10K BLIND	8"	75	SS400	15056	387	242	31	42	166	0.14	0.47	0.013	0.009	0.11	/	/	0.14	/				
32	JIS 5K PLAT FLANGE	1"	50	SS400	15056	387	242	31	42	166	0.14	0.47	0.013	0.009	0.11	/	/	0.14	/				
33	JIS 5K PLAT FLANGE	1.1/4"	100	SS400	15056	387	242	31	42	166	0.14	0.47	0.013	0.009	0.11	/	/	0.14	/				
34	JIS 5K PLAT FLANGE	1.1/2"	200	SS400	15056	387	242	31	42	166	0.14	0.47	0.013	0.009	0.11	/	/	0.14	/				
35	JIS 5K PLAT FLANGE	2"	300	SS400	15056	387	242	31	42	166	0.14	0.47	0.013	0.009	0.11	/	/	0.14	/				
36	JIS 5K PLAT FLANGE	6"	50	SS400	15056	387	242	31	42	166	0.14	0.47	0.013	0.009	0.11	/	/	0.14	/				
37	JIS 5K PLAT FLANGE	12"	30	SS400	15056	387	242	31	42	166	0.14	0.47	0.013	0.009	0.11	/	/	0.14	/				
38	PN 10 PLAT FLANGE DIN2576	2.1/2"	50	ST37.2	24410	388	255	29	41	165	0.15	0.45	0.011	0.012	0.12	/	/	0.12	/				
39	PN 10 PLAT FLANGE DIN2576	3"	150	ST37.2	24410	388	255	29	41	165	0.15	0.45	0.011	0.012	0.12	/	/	0.12	/				
40	PN 10 PLAT FLANGE DIN2576	4"	150	ST37.2	24410	388	255	29	41	165	0.15	0.45	0.011	0.012	0.12	/	/	0.12	/				
TOTAL			7035																				

Visual examination
Dimensional inspection
Surface crack inspection:

Without Complaint
Without Complaint
Without Complaint

We hereby certify that product described herein have been manufactured, sampled, inspected and tested in accordance with the standard

UNIMECH ENGINEERING (M) SDN. BHD.
HEBEI XINFEI HIGH-PRESSURE FLANGE
AND PIPE FITTING CO., LTD.

INSPECTOR: 赵之强

Manufacturer: HEBEI XINFEI HIGH-PRESSURE FLANGE AND PIPE FITTING CO., LTD.

CHEMICAL ANALYSIS AND MECHANICAL MILL TEST CERTIFICATE (EN 10204-3.1)

This to certify that in accordance with the relevant product specifications, technique conditions and contract stipulations, the flanges were tested qualified by our quality control department

CLIENT: Unimech Engineering (M) Sdn. Bhd		CERTIFICATE REF. NO: XF-UJEM082																									
CONTRACT NO: ZPO-2010-0007		DATE OF REPORT: 2020-10-8																									
GOOD DESCRIPTION: 3422 PCS OF FLANGE		MARK OF MANUFACTURER: XF																									
Item	Name	Size	QTY/PC	Material	Heat No	Physical properties											Chemical Analyses										
						TS	YS	E	R	H	C	Mn	P	S	Si	Cu	Ni	Cr	Mo								
41	PN 10 PLAT FLANGE	DIN2576	60	ST37.2	24410	388	255	29	41	165	0.15	0.45	0.011	0.012	0.12	/	/	0.12	/								
42	PN 10 PLAT FLANGE	DIN2576	100	ST37.2	24410	388	255	29	41	165	0.15	0.45	0.011	0.012	0.12	/	/	0.12	/								
43	PN 10 PLAT FLANGE	DIN2576	50	ST37.2	24410	388	255	29	41	165	0.15	0.45	0.011	0.012	0.12	/	/	0.12	/								
44	PN 10 BLIND	DIN2527	12	ST37.2	24410	388	255	29	41	165	0.15	0.45	0.011	0.012	0.12	/	/	0.12	/								
45	PN 16 PLAT FLANGE	DIN2502	160	ST37.2	24410	388	255	29	41	165	0.15	0.45	0.011	0.012	0.12	/	/	0.12	/								
46	PN 16 PLAT FLANGE	DIN2502	1300	ST37.2	24410	388	255	29	41	165	0.15	0.45	0.011	0.012	0.12	/	/	0.12	/								
47	PN 16 PLAT FLANGE	DIN2502	450	ST37.2	24410	388	255	29	41	165	0.15	0.45	0.011	0.012	0.12	/	/	0.12	/								
48	PN 16 PLAT FLANGE	DIN2502	40	ST37.2	24410	388	255	29	41	165	0.15	0.45	0.011	0.012	0.12	/	/	0.12	/								
49	PN 16 PLAT FLANGE	DIN2502	200	ST37.2	24410	388	255	29	41	165	0.15	0.45	0.011	0.012	0.12	/	/	0.12	/								
50	PN 16 PLAT FLANGE	DIN2502	220	ST37.2	24410	388	255	29	41	165	0.15	0.45	0.011	0.012	0.12	/	/	0.12	/								
51	PN 16 PLAT FLANGE	DIN2502	40	ST37.2	24410	388	255	29	41	165	0.15	0.45	0.011	0.012	0.12	/	/	0.12	/								
52	PN 16 BLIND	DIN2527	40	ST37.2	24410	388	255	29	41	165	0.15	0.45	0.011	0.012	0.12	/	/	0.12	/								
53	PN 16 BLIND	DIN2527	150	ST37.2	24410	388	255	29	41	165	0.15	0.45	0.011	0.012	0.12	/	/	0.12	/								
54	PN 16 BLIND	DIN2527	60	ST37.2	24410	388	255	29	41	165	0.15	0.45	0.011	0.012	0.12	/	/	0.12	/								
55	PN 16 BLIND	DIN2527	20	ST37.2	24410	388	255	29	41	165	0.15	0.45	0.011	0.012	0.12	/	/	0.12	/								
56	PN 40 DIN2503 PLAT FLANGE	1/2"	200	ST37.2	24410	388	255	29	41	165	0.15	0.45	0.011	0.012	0.12	/	/	0.12	/								
57	PN 40 DIN2503 PLAT FLANGE	1"	200	ST37.2	24410	388	255	29	41	165	0.15	0.45	0.011	0.012	0.12	/	/	0.12	/								
58	PN 40 DIN2503 PLAT FLANGE	6"	100	ST37.2	24410	388	255	29	41	165	0.15	0.45	0.011	0.012	0.12	/	/	0.12	/								
59	PN 40 DIN2503 PLAT FLANGE	10"	10	ST37.2	24410	388	255	29	41	165	0.15	0.45	0.011	0.012	0.12	/	/	0.12	/								
60	PN 40 DIN2503 PLAT FLANGE	12"	10	ST37.2	24410	388	255	29	41	165	0.15	0.45	0.011	0.012	0.12	/	/	0.12	/								
TOTAL			3422																								

Visual examination
Dimensional inspection
Surface crack inspection:

Without Complaint
Without Complaint
Without Complaint

We hereby certify that product described herein have been manufactured, sampled, inspected and tested in accordance with the standard and also with the purchaser's requirements and the result is acceptable.

INSPECTOR: 赵之强

Manufacturer: HEBEI XIN FENG HIGH-PRESSURE FLANGE AND PIPE FITTING CO., LTD.



CHEMICAL ANALYSIS AND MECHANICAL MILL TEST CERTIFICATE (EN 10204-3.1)

This to certify that in accordance with the relevant product specifications, technique conditions and contract stipulations,
the flanges were tested qualified by our quality control department

CLIENT: Unimech Engineering (M) Sdn. Bhd		CERTIFICATE REF. NO: XF-UEM082																	
CONTRACT NO: ZPO-2010-0007		DATE OF REPORT: 2020-10-8																	
GOOD DESCRIPTION: 13907 PCS OF FLANGE																			
MARK OF MANUFACTURER: XF																			
Item	Name	Size	QTY/PC	Material	Heat No	Physical properties						Chemical Analyses							
						TS	YS	E	R	H	C	Mn	P	S	Si	Cu	Ni	Cr	Mo
61	ANSI 150# FLANGE GI	4"	50	SS400	15055	375	255	30	41	159	0.14	0.42	0.011	0.012	0.12	/	/	0.13	/
62	TABLE E FLANGE GI	6"	30	ST37.2	24410	388	255	29	41	165	0.15	0.45	0.011	0.012	0.12	/	/	0.12	/
63	PN 16 DIN2502 GI	2.1/2"	50	ST37.2	24410	388	255	29	41	165	0.15	0.45	0.011	0.012	0.12	/	/	0.12	/
64	PN 16 DIN2502 GI	4"	50	ST37.2	24410	388	255	29	41	165	0.15	0.45	0.011	0.012	0.12	/	/	0.12	/
65	PN 16 DIN2502 GI	10"	20	ST37.2	24410	388	255	29	41	165	0.15	0.45	0.011	0.012	0.12	/	/	0.12	/
TOTAL			200																

Visual examination

Dimensional inspection

Surface crack inspection:

Without Complaint
Without Complaint
Without Complaint

We hereby certify that product described herein have been manufactured, sampled, inspected and tested in accordance with the standard and also with the purchaser's requirements and the result is acceptable.

INSPECTOR: 赵之强

Manufacturer: HEBEI UNIMECH HIGH-PRESSURE FLANGE
AND PIPE FITTING CO., LTD. 3031E
FLANGE AND PIPE FITTING CO., LTD.

河北宣化法兰管件有限公司
张根泉