

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-UJEM21-16																	
CONTRACT NO: XF-UJEM21-17		DATE OF REPORT: 2021-10-15																	
GOOD DESCRIPTION: 60PCS OF FLANGE		MARK OF MANUFACTURER: XF																	
Item No.	Flange Name	Size	QTY/PC	Material	Heat No	TS	YS	Physical properties					Chemical Analyses						
								E	R	H	C	Mn	P	S	Si	Cu	Ni	Cr	Mo
1	CS ANSI 150# SORF	16"	44	A105	10228	512	252	32	45	167	0.12	0.61	0.012	0.011	0.15	0.13	0.1	0.15	0.02
2	CS ANSI 150# SORF	20"	16	A105	10228	512	252	32	45	167	0.12	0.61	0.012	0.011	0.15	0.13	0.1	0.15	0.02
TOTAL			60																

Visual examination

Dimensional inspection

Surface crack inspection:

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

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

张根泉

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

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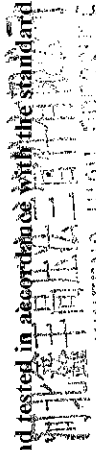
CLIENT: Unimech Engineering (M) Sdn. Bhd	CERTIFICATE REF. NO: XF-UJEM21-15
CONTRACT NO: XF-UJEM21-15	DATE OF REPORT: 2021-10-16
MARK OF MANUFACTURER: XF	
GOOD DESCRIPTION: 2918 PCS OF FLANGE	

Item No.	Qty/PC	Size	Material	Heat No	Physical properties										Chemical Analyses									
					TS	YS	E	R	H	C	Mn	P	S	Si	Cu	Ni	Cr	Mo						
1	40	1"	ST37.2	18003	472	244	33	41	166	0.12	0.42	0.016	0.012	0.14	/	/	0.15	/						
2	50	1.1/2"	ST37.2	18003	472	244	33	41	166	0.12	0.42	0.016	0.012	0.14	/	/	0.15	/						
3	100	1"	ST37.2	18003	472	244	33	41	166	0.12	0.42	0.016	0.012	0.14	/	/	0.15	/						
4	15	1"	ST37.2	18003	472	244	33	41	166	0.12	0.42	0.016	0.012	0.14	/	/	0.15	/						
5	10	2.1/2"	ST37.2	18003	472	244	33	41	166	0.12	0.42	0.016	0.012	0.14	/	/	0.15	/						
6	50	1/2"	A105	34552	507	273	29	38	169	0.16	0.74	0.018	0.015	0.22	0.16	0.13	0.11	0.02						
7	500	1"	A105	34552	507	273	29	38	169	0.16	0.74	0.018	0.015	0.22	0.16	0.13	0.11	0.02						
8	100	1.1/4"	A105	34552	507	273	29	38	169	0.16	0.74	0.018	0.015	0.22	0.16	0.13	0.11	0.02						
9	500	2"	A105	34552	507	273	29	38	169	0.16	0.74	0.018	0.015	0.22	0.16	0.13	0.11	0.02						
10	500	2.1/2"	A105	34552	507	273	29	38	169	0.16	0.74	0.018	0.015	0.22	0.16	0.13	0.11	0.02						
11	350	3"	A105	34552	507	273	29	38	169	0.16	0.74	0.018	0.015	0.22	0.16	0.13	0.11	0.02						
12	480	6"	A105	34552	507	273	29	38	169	0.16	0.74	0.018	0.015	0.22	0.16	0.13	0.11	0.02						
13	50	16"	A105	34552	507	273	29	38	169	0.16	0.74	0.018	0.015	0.22	0.16	0.13	0.11	0.02						
14	30	1.1/2"	A105	34552	507	273	29	38	169	0.16	0.74	0.018	0.015	0.22	0.16	0.13	0.11	0.02						
15	50	1"	A105	34552	507	273	29	38	169	0.16	0.74	0.018	0.015	0.22	0.16	0.13	0.11	0.02						
16	60	2"	A105	34552	507	273	29	38	169	0.16	0.74	0.018	0.015	0.22	0.16	0.13	0.11	0.02						
17	3	1.1/2"	A105	34552	507	273	29	38	169	0.16	0.74	0.018	0.015	0.22	0.16	0.13	0.11	0.02						
18	30	1"	A105	34552	507	273	29	38	169	0.16	0.74	0.018	0.015	0.22	0.16	0.13	0.11	0.02						
TOTAL																								

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 XINFENG HIGH-PRESSURE FLANGE
 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

Physical properties										Chemical Analyses										
Item No.	Flange Name	Size	QTY/PC	Material	Heat No	TS	YS	E	R	H	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	
1	EN1092-1 SORF PN16 FLANGE	1"	100	ST37.2	21556	471	249	33	44	166	0.09	0.43	0.012	0.015	0.13	/	/	0.15	/	
2	EN1092-1 SORF PN16 FLANGE	1.1/4"	50	ST37.2	21556	471	249	33	44	166	0.09	0.43	0.012	0.015	0.13	/	/	0.15	/	
3	EN1092-1 SORF PN16 FLANGE	4"	120	ST37.2	21556	471	249	33	44	166	0.09	0.43	0.012	0.015	0.13	/	/	0.15	/	
4	EN1092-1PN16 BLIND (RF) FLANGE	3"	60	ST37.2	21556	471	249	33	44	166	0.09	0.43	0.012	0.015	0.13	/	/	0.15	/	
5	EN1092-1PN16 BLIND (RF) FLANGE	4"	10	ST37.2	21556	471	249	33	44	166	0.09	0.43	0.012	0.015	0.13	/	/	0.15	/	
6	EN1092-1 PN40 WNRF FLANGE	1"	10	ST37.2	21556	471	249	33	44	166	0.09	0.43	0.012	0.015	0.13	/	/	0.15	/	
7	EN1092-1 PN40 BLIND (RF) FLANGE	4"	30	ST37.2	21556	471	249	33	44	166	0.09	0.43	0.012	0.015	0.13	/	/	0.15	/	
8	ANSI B16.5 150LBS SORF FLANGE	1"	100	A105	52890	507	273	29	34	171	0.21	0.74	0.013	0.016	0.27	0.13	0.15	0.12	/	
9	ANSI B16.5 150LBS SORF FLANGE	1.1/2"	300	A105	52890	507	273	29	34	171	0.21	0.74	0.013	0.016	0.27	0.13	0.15	0.12	/	
10	ANSI B16.5 150LBS SORF FLANGE	2"	400	A105	52890	507	273	29	34	171	0.21	0.74	0.013	0.016	0.27	0.13	0.15	0.12	/	
11	ANSI B16.5 150LBS SORF FLANGE	3"	600	A105	52890	507	273	29	34	171	0.21	0.74	0.013	0.016	0.27	0.13	0.15	0.12	/	
12	ANSI B16.5 150LBS SORF FLANGE	12"	50	A105	52890	507	273	29	34	171	0.21	0.74	0.013	0.016	0.27	0.13	0.15	0.12	/	
13	ANSI B16.5 150LBS BLIND FLANGE	3/4"	100	A105	52890	507	273	29	34	171	0.21	0.74	0.013	0.016	0.27	0.13	0.15	0.12	/	
14	ANSI B16.5 150LBS BLIND FLANGE	2"	100	A105	52890	507	273	29	34	171	0.21	0.74	0.013	0.016	0.27	0.13	0.15	0.12	/	
15	ANSI B16.5 150LBS BLIND FLANGE	3"	150	A105	52890	507	273	29	34	171	0.21	0.74	0.013	0.016	0.27	0.13	0.15	0.12	/	
16	ANSI B16.5 150LBS BLIND FLANGE	4"	100	A105	52890	507	273	29	34	171	0.21	0.74	0.013	0.016	0.27	0.13	0.15	0.12	/	
17	ANSI B16.5 150LBS BLIND FLANGE	12"	10	A105	52890	507	273	29	34	171	0.21	0.74	0.013	0.016	0.27	0.13	0.15	0.12	/	
18	ANSI B16.5 WNRF FLANGE	1"	50	A105	52890	507	273	29	34	171	0.21	0.74	0.013	0.016	0.27	0.13	0.15	0.12	/	
19	ANSI B16.5 WNRF FLANGE	2.1/2"	50	A105	52890	507	273	29	34	171	0.21	0.74	0.013	0.016	0.27	0.13	0.15	0.12	/	
20	ANSI B16.5 WNRF FLANGE	4"	100	A105	52890	507	273	29	34	171	0.21	0.74	0.013	0.016	0.27	0.13	0.15	0.12	/	
21	ANSI B16.5 WNRF FLANGE	6"	100	A105	52890	507	273	29	34	171	0.21	0.74	0.013	0.016	0.27	0.13	0.15	0.12	/	
22	ANSI B16.5 WNRF FLANGE	8"	50	A105	52890	507	273	29	34	171	0.21	0.74	0.013	0.016	0.27	0.13	0.15	0.12	/	
23	ANSI B16.5 WNRF FLANGE	12"	14	A105	52890	507	273	29	34	171	0.21	0.74	0.013	0.016	0.27	0.13	0.15	0.12	/	
24	ANSI B16.5 150LBS SWRF FLANGE	3/4"	50	A105	52890	507	273	29	34	171	0.21	0.74	0.013	0.016	0.27	0.13	0.15	0.12	/	
25	ANSI B16.5 150LBS SWRF FLANGE	2.1/2"	30	A105	52890	507	273	29	34	171	0.21	0.74	0.013	0.016	0.27	0.13	0.15	0.12	/	
26	ANSI B16.5 300LBS SORF FLANGE	1"	120	A105	52890	507	273	29	34	171	0.21	0.74	0.013	0.016	0.27	0.13	0.15	0.12	/	
27	ANSI B16.5 300LBS SORF FLANGE	2"	30	A105	52890	507	273	29	34	171	0.21	0.74	0.013	0.016	0.27	0.13	0.15	0.12	/	
28	ANSI B16.5 300LBS BLIND (RF) FLANGE	3/4"	60	A105	52890	507	273	29	34	171	0.21	0.74	0.013	0.016	0.27	0.13	0.15	0.12	/	
29	ANSI B16.5 300LBS BLIND (RF) FLANGE	4"	20	A105	52890	507	273	29	34	171	0.21	0.74	0.013	0.016	0.27	0.13	0.15	0.12	/	
30	ANSI B16.5 300LBS BLIND (RF) FLANGE	6"	40	A105	52890	507	273	29	34	171	0.21	0.74	0.013	0.016	0.27	0.13	0.15	0.12	/	
31	ANSI B16.5 300LBS WNRF (SCH80) FLANGE	8"	10	A105	52890	507	273	29	34	171	0.21	0.74	0.013	0.016	0.27	0.13	0.15	0.12	/	
32	ANSI B16.5 600LBS RF BLIND FLANGE	1"	5	A105	52890	507	273	29	34	171	0.21	0.74	0.013	0.016	0.27	0.13	0.15	0.12	/	
33	ANSI B16.5 600LBS RF BLIND FLANGE	3"	5	A105	52890	507	273	29	34	171	0.21	0.74	0.013	0.016	0.27	0.13	0.15	0.12	/	
34	ANSI B16.5 150LBS THREADED FLANGE	3/4"	50	A105	52890	507	273	29	34	171	0.21	0.74	0.013	0.016	0.27	0.13	0.15	0.12	/	
35	ANSI B16.5 150LBS THREADED FLANGE	1"	100	A105	52890	507	273	29	34	171	0.21	0.74	0.013	0.016	0.27	0.13	0.15	0.12	/	
			TOTAL				3174													

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

HEBEI XINRONG HIGH-PRESSURE FLANGE AND PIPE FITTING CO., LTD

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