

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

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-UEM22-01
CONTRACT NO: XF-UEM22-01	DATE OF REPORT: 2022-3-1
GOOD DESCRIPTION: 2423 PCS OF FLANGE	MARK OF MANUFACTURER: XF

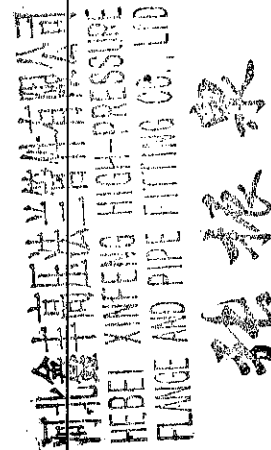
Item No.	Name	Size	QTY/PC	Material	Heat No	Physical properties						Chemical Analyses									
						TS	YS	E	R	H	C	Mn	P	S	Si	Cu	Ni	Cr	Mo		
1	EN1092-1 TYPE12 SO RF PN16	3/4"	200	ST37.2	30025	456	242	29	43	165	0.13	0.46	0.011	0.012	0.12	/	/	0.13	/		
2	EN1092-1 TYPE12 SO RF PN16	1"	50	ST37.2	30025	456	242	29	43	165	0.13	0.46	0.011	0.012	0.12	/	/	0.13	/		
3	EN1092-1 TYPE12 SO RF PN16	2.1/2"	130	ST37.2	30025	456	242	29	43	165	0.13	0.46	0.011	0.012	0.12	/	/	0.13	/		
4	EN1092-1 TYPE12 SO RF PN16	3"	50	ST37.2	30025	456	242	29	43	165	0.13	0.46	0.011	0.012	0.12	/	/	0.13	/		
5	EN1092-1 TYPE12 SO RF PN16	4"	200	ST37.2	30025	456	242	29	43	165	0.13	0.46	0.011	0.012	0.12	/	/	0.13	/		
6	EN1092-1 TYPE12 SO RF PN16	5"	100	ST37.2	30025	456	242	29	43	165	0.13	0.46	0.011	0.012	0.12	/	/	0.13	/		
7	EN1092-1 TYPE12 SO RF PN16	6"	150	ST37.2	30025	456	242	29	43	165	0.13	0.46	0.011	0.012	0.12	/	/	0.13	/		
8	EN1092-1 TYPE12 SO RF PN16	8"	50	ST37.2	30025	456	242	29	43	165	0.13	0.46	0.011	0.012	0.12	/	/	0.13	/		
9	EN1092-1 TYPE12 SO RF PN16	10"	160	ST37.2	30025	456	242	29	43	165	0.13	0.46	0.011	0.012	0.12	/	/	0.13	/		
10	EN1092-1 TYPE05 BL RF PN16	1.1/2"	15	ST37.2	30025	456	242	29	43	165	0.13	0.46	0.011	0.012	0.12	/	/	0.13	/		
11	EN1092-1 TYPE05 BL RF PN16	10"	3	ST37.2	30025	456	242	29	43	165	0.13	0.46	0.011	0.012	0.12	/	/	0.13	/		
12	EN1092-1 TYPE11 WN RF PN40	1/2"	20	ST37.2	30025	456	242	29	43	165	0.13	0.46	0.011	0.012	0.12	/	/	0.13	/		
13	EN1092-1 TYPE12 SO RF PN40	10"	10	ST37.2	30025	456	242	29	43	165	0.13	0.46	0.011	0.012	0.12	/	/	0.13	/		
14	EN1092-1 TYPE05 BL RF PN40	1"	25	ST37.2	30025	456	242	29	43	165	0.13	0.46	0.011	0.012	0.12	/	/	0.13	/		
15	EN1092-1 TYPE05 BL RF PN40	6"	10	ST37.2	30025	456	242	29	43	165	0.13	0.46	0.011	0.012	0.12	/	/	0.13	/		
16	ASA150 SORF FLANGE	1/2"	50	A105	50010	510	252	32	42	168	0.21	0.65	0.013	0.014	0.13	0.11	0.13	0.11	0.003		
17	ASA150 SORF FLANGE	3/4"	360	A105	50010	510	252	32	42	168	0.21	0.65	0.013	0.014	0.13	0.11	0.13	0.11	0.003		
18	ASA150 SORF FLANGE	1"	450	A105	50010	510	252	32	42	168	0.21	0.65	0.013	0.014	0.13	0.11	0.13	0.11	0.003		
19	ASA150 SORF FLANGE	1.1/4"	20	A105	50010	510	252	32	42	168	0.21	0.65	0.013	0.014	0.13	0.11	0.13	0.11	0.003		
20	ASA150 SORF FLANGE	1.1/2"	370	A105	50010	510	252	32	42	168	0.21	0.65	0.013	0.014	0.13	0.11	0.13	0.11	0.003		

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 AND PIPE FITTING CO., LTD



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

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-JEM22-01																		
CONTRACT NO: XF-JEM22-01		DATE OF REPORT: 2022-3-1																		
GOOD DESCRIPTION: 5165 PCS OF FLANGE		MARK OF MANUFACTURER: XF																		
Item No.	Name	Size	QTY/PC	Material	Heat No	Physical properties					Chemical Analyses									
						YS	TS	E	R	H	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	
21	ASA150 SORF FLANGE	2"	2000	A105	50010	510	510	32	42	168	0.21	0.65	0.013	0.014	0.13	0.11	0.13	0.11	0.003	
22	ASA150 SORF FLANGE	3"	100	A105	50010	510	510	32	42	168	0.21	0.65	0.013	0.014	0.13	0.11	0.13	0.11	0.003	
23	ASA150 SORF FLANGE	4"	330	A105	50010	510	510	32	42	168	0.21	0.65	0.013	0.014	0.13	0.11	0.13	0.11	0.003	
24	ASA150 SORF FLANGE	6"	1200	A105	50010	510	510	32	42	168	0.21	0.65	0.013	0.014	0.13	0.11	0.13	0.11	0.003	
25	ASA150 SORF FLANGE	8"	320	A105	50010	510	510	32	42	168	0.21	0.65	0.013	0.014	0.13	0.11	0.13	0.11	0.003	
26	ASA150 SORF FLANGE	10"	300	A105	50010	510	510	32	42	168	0.21	0.65	0.013	0.014	0.13	0.11	0.13	0.11	0.003	
27	ASA150 SORF FLANGE	12"	100	A105	50010	510	510	32	42	168	0.21	0.65	0.013	0.014	0.13	0.11	0.13	0.11	0.003	
28	ASA150 SORF FLANGE	14"	10	A105	50010	510	510	32	42	168	0.21	0.65	0.013	0.014	0.13	0.11	0.13	0.11	0.003	
29	ASA150 BLIND FLANGE	1/2"	60	A105	50010	510	510	32	42	168	0.21	0.65	0.013	0.014	0.13	0.11	0.13	0.11	0.003	
30	ASA150 BLIND FLANGE	8"	50	A105	50010	510	510	32	42	168	0.21	0.65	0.013	0.014	0.13	0.11	0.13	0.11	0.003	
31	ASA150 BLIND FLANGE	16"	3	A105	50010	510	510	32	42	168	0.21	0.65	0.013	0.014	0.13	0.11	0.13	0.11	0.003	
32	ASA150 BLIND FLANGE	20"	2	A105	50010	510	510	32	42	168	0.21	0.65	0.013	0.014	0.13	0.11	0.13	0.11	0.003	
33	ASA150 WNRF FLANGE	2"	30	A105	50010	510	510	32	42	168	0.21	0.65	0.013	0.014	0.13	0.11	0.13	0.11	0.003	
34	ASA150 WNRF FLANGE	3"	50	A105	50010	510	510	32	42	168	0.21	0.65	0.013	0.014	0.13	0.11	0.13	0.11	0.003	
35	ASA150 SWRF FLANGE	1"	100	A105	50010	510	510	32	42	168	0.21	0.65	0.013	0.014	0.13	0.11	0.13	0.11	0.003	
36	ASA150 SWRF FLANGE	1.1/2"	30	A105	50010	510	510	32	42	168	0.21	0.65	0.013	0.014	0.13	0.11	0.13	0.11	0.003	
37	ASA150 SWRF FLANGE	3"	20	A105	50010	510	510	32	42	168	0.21	0.65	0.013	0.014	0.13	0.11	0.13	0.11	0.003	
38	ASA300 SORF FLANGE	1/2"	60	A105	50010	510	510	32	42	168	0.21	0.65	0.013	0.014	0.13	0.11	0.13	0.11	0.003	
39	ASA300 SORF FLANGE	3/4"	50	A105	50010	510	510	32	42	168	0.21	0.65	0.013	0.014	0.13	0.11	0.13	0.11	0.003	
40	ASA300 SORF FLANGE	1"	350	A105	50010	510	510	32	42	168	0.21	0.65	0.013	0.014	0.13	0.11	0.13	0.11	0.003	
			5165																	

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 XINFEHG HIGH-PRESSURE FLANGE  
AND PIPE FITTING CO., LTD

河北鑫丰高压法兰管件有限公司  
HEBEI XINFEHG HIGH-PRESSURE  
FLANGE AND PIPE FITTING CO., LTD

**赵之强**

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

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-UJEM22-01

CONTRACT NO: XF-UJEM22-01

DATE OF REPORT: 2022-3-1

GOOD DESCRIPTION: 150 PCS OF FLANGE

MARK OF MANUFACTURER: XF

Item No.	Name	Size	QTY/PC	Material	Heat No	Physical properties						Chemical Analyses								
						YS	TS	E	R	H	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	
41	ASA300 SORF FLANGE	8"	10	A105	50010	510	510	32	42	168	0.21	0.65	0.013	0.014	0.13	0.11	0.13	0.11	0.003	
42	ASA300 BLIND (RF) FLANGE	1"	35	A105	50010	510	510	32	42	168	0.21	0.65	0.013	0.014	0.13	0.11	0.13	0.11	0.003	
43	ASA300 BLIND (RF) FLANGE	2"	15	A105	50010	510	510	32	42	168	0.21	0.65	0.013	0.014	0.13	0.11	0.13	0.11	0.003	
44	ASA300 BLIND (RF) FLANGE	10"	5	A105	50010	510	510	32	42	168	0.21	0.65	0.013	0.014	0.13	0.11	0.13	0.11	0.003	
45	ASA300 WNRF (SCH80) FLANGE	1"	20	A105	50010	510	510	32	42	168	0.21	0.65	0.013	0.014	0.13	0.11	0.13	0.11	0.003	
46	ASA300 WNRF (SCH80) FLANGE	4"	10	A105	50010	510	510	32	42	168	0.21	0.65	0.013	0.014	0.13	0.11	0.13	0.11	0.003	
47	ASA300 SWRF FLANGE	1/2"	40	A105	50010	510	510	32	42	168	0.21	0.65	0.013	0.014	0.13	0.11	0.13	0.11	0.003	
48	ASA600 SORF FLANGE	4"	10	A105	50010	510	510	32	42	168	0.21	0.65	0.013	0.014	0.13	0.11	0.13	0.11	0.003	
49	ASA600 SORF FLANGE	6"	5	A105	50010	510	510	32	42	168	0.21	0.65	0.013	0.014	0.13	0.11	0.13	0.11	0.003	
TOTAL			150																	

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 XINFENG HIGH-PRESSURE FLANGE  
AND PIPE FITTING CO., LTD

河北鑫丰高压法兰管件有限公司  
HEBEI XINFENG HIGH-PRESSURE  
FLANGE AND PIPE FITTING CO., LTD

**鑫丰**