

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 and Fittings were tested qualified by our quality control department

CLIENT: Unimech Engineering (M) Sdn Bhd																			
CERTIFICATE REF: NO: XF-UJEM21-01 -05																			
DATE OF REPORT: 2021-4-15																			
MARK OF MANUFACTURER: XF																			
GOOD DESCRIPTION: FLANGE AND PIPE FITTINGS																			
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
XF-UJEM21-01(ZPO-2101-0020R)MILD STEEL FLANGES																			
1	PLAT FLANGE DIN2576 PN 10	5"	100	ST37.2	19620	478	245	30	42	167	0.12	0.49	0.012	0.014	0.13	/	/	0.11	/
2	PLAT FLANGE DIN2576 PN 10	6"	60	ST37.2	19620	478	245	30	42	167	0.12	0.49	0.012	0.014	0.13	/	/	0.11	/
3	PLAT FLANGE DIN2502 PN 16	1/2"	150	ST37.2	19620	478	245	30	42	167	0.12	0.49	0.012	0.014	0.13	/	/	0.11	/
4	PLAT FLANGE DIN2502 PN 16	3/4"	600	ST37.2	19620	478	245	30	42	167	0.12	0.49	0.012	0.014	0.13	/	/	0.11	/
5	PLAT FLANGE DIN2502 PN 16	3"	100	ST37.2	19620	478	245	30	42	167	0.12	0.49	0.012	0.014	0.13	/	/	0.11	/
6	PLAT FLANGE DIN2502 PN 16	4"	800	ST37.2	19620	478	245	30	42	167	0.12	0.49	0.012	0.014	0.13	/	/	0.11	/
7	PLAT FLANGE DIN2502 PN 16	6"	1000	ST37.2	19620	478	245	30	42	167	0.12	0.49	0.012	0.014	0.13	/	/	0.11	/
8	PLAT FLANGE DIN2502 PN 16	8"	200	ST37.2	19620	478	245	30	42	167	0.12	0.49	0.012	0.014	0.13	/	/	0.11	/
9	PLAT FLANGE DIN2502 PN 16	10"	100	ST37.2	19620	478	245	30	42	167	0.12	0.49	0.012	0.014	0.13	/	/	0.11	/
10	PLAT FLANGE DIN2502 PN 16	12"	120	ST37.2	19620	478	245	30	42	167	0.12	0.49	0.012	0.014	0.13	/	/	0.11	/
11	DIN2527 PN 16 BLIND	4"	25	ST37.2	19620	478	245	30	42	167	0.12	0.49	0.012	0.014	0.13	/	/	0.11	/
12	DIN2527 PN 16 BLIND	5"	20	ST37.2	19620	478	245	30	42	167	0.12	0.49	0.012	0.014	0.13	/	/	0.11	/
13	DIN2527 PN 16 BLIND	6"	20	ST37.2	19620	478	245	30	42	167	0.12	0.49	0.012	0.014	0.13	/	/	0.11	/
14	PLAT FLANGE DIN2503 PN 40	1"	950	ST37.2	19620	478	245	30	42	167	0.12	0.49	0.012	0.014	0.13	/	/	0.11	/
15	PLAT FLANGE DIN2503 PN 40	3"	20	ST37.2	19620	478	245	30	42	167	0.12	0.49	0.012	0.014	0.13	/	/	0.11	/
16	PLAT FLANGE DIN2503 PN 40	4"	240	ST37.2	19620	478	245	30	42	167	0.12	0.49	0.012	0.014	0.13	/	/	0.11	/
17	PLAT FLANGE DIN2503 PN 40	5"	20	ST37.2	19620	478	245	30	42	167	0.12	0.49	0.012	0.014	0.13	/	/	0.11	/
18	PLAT FLANGE DIN2503 PN 40	6"	120	ST37.2	19620	478	245	30	42	167	0.12	0.49	0.012	0.014	0.13	/	/	0.11	/
19	PLAT FLANGE DIN2503 PN 40	10"	40	ST37.2	19620	478	245	30	42	167	0.12	0.49	0.012	0.014	0.13	/	/	0.11	/
20	DIN2527 PN 40 BLIND	3/4"	30	ST37.2	19620	478	245	30	42	167	0.12	0.49	0.012	0.014	0.13	/	/	0.11	/
21	DIN2527 PN 40 BLIND	12"	2	ST37.2	19620	478	245	30	42	167	0.12	0.49	0.012	0.014	0.13	/	/	0.11	/
XF-UJEM21-02(ZPO-2102-0019R) CARBON STEEL FLANGES																			
1	SORF PN16 FLANGE	6"	126	ST37.2	29998	465	246	31	41	162	0.15	0.52	0.012	0.011	0.13	/	/	0.11	/
2	SO RF FLANGE 300#	8"	40	A105	32660	512	256	29	32	156	0.21	0.65	0.009	0.013	0.12	0.13	0.13	0.11	0.003
XF-UJEM21-03(ZPO-2103-0001R)																			
1	ANSI 150# PLAT FLANGE GI	2"	160	SS400	29630	456	245	32	42	164	0.14	0.53	0.013	0.012	0.11	/	/	0.12	/
2	ANSI 150# PLAT FLANGE GI	3"	130	SS400	29630	456	245	32	42	164	0.14	0.53	0.013	0.012	0.11	/	/	0.12	/
3	ANSI 150# PLAT FLANGE GI	10"	10	SS400	29630	456	245	32	42	164	0.14	0.53	0.013	0.012	0.11	/	/	0.12	/
4	ANSI 150# - BLIND GI	3"	10	SS400	29630	456	245	32	42	164	0.14	0.53	0.013	0.012	0.11	/	/	0.12	/
5	JIS 10K PLAT FLANGE GI	3"	120	SS400	29630	456	245	32	42	164	0.14	0.53	0.013	0.012	0.11	/	/	0.12	/
6	JIS 10K PLAT FLANGE GI	4"	50	SS400	29630	456	245	32	42	164	0.14	0.53	0.013	0.012	0.11	/	/	0.12	/
7	JIS 10K PLAT FLANGE GI	5"	80	SS400	29630	456	245	32	42	164	0.14	0.53	0.013	0.012	0.11	/	/	0.12	/
8	PN 16 PLAT FLANGE GI	10"	30	ST37.2	63970	466	246	33	41	162	0.15	0.55	0.012	0.011	0.13	/	/	0.13	/
9	TABLE E PLAT FLANGE GI	3"	120	ST37.2	63970	466	246	33	41	162	0.15	0.55	0.012	0.011	0.13	/	/	0.13	/
XF-UJEM21-01(ZPO-2103-0003R) CARBON STEEL FLANGE																			
1	ASA600 SORF FLANGE	3/4"	20	A105	26993	510	265	35	41	167	0.19	0.65	0.010	0.011	0.12	0.13	0.14	0.12	0.002
2	ASA600 SORF FLANGE	8"	20	A105	26993	510	265	35	41	167	0.19	0.65	0.010	0.011	0.12	0.13	0.14	0.12	0.002
XF-UJEM21-05(ZPO-2102-0020R) CARBON STEEL SCH40 FITTING																			
8	SCH40 ELBOW 90 DEG LR	5"	18	A234WPB	69412	253	445	28	162	0.18	0.14	0.54	0.012	0.014	0.12	0.12	0.002	0.12	
9	SCH40 ELBOW 90 DEG LR	10"	9	A234WPB	69990	248	457	29	164	0.19	0.14	0.49	0.006	0.013	0.14	0.14	0.002	0.14	
10	SCH40 ELBOW 90 DEG LR	12"	9	A234WPB	69747	249	459	32	154	0.22	0.12	0.51	0.005	0.014	0.13	0.13	0.003	0.13	
TOTAL			5669																

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: HEBEIXINFENG HIGH-PRESSURE FLANGE AND PIPE FITTING CO., LTD