

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 pipe fittings were tested qualified by our quality control department

CLIENT: Unimech Engineering (M) Sdn. Bhd	CERTIFICATE REF. NO: XF-UEM093
CONTRACT NO: ZPO-2101-0009	DATE OF REPORT: 2021-2-25
GOOD DESCRIPTION: 9992PCS OF PIPE FITTING	
MARK OF MANUFACTURER: XF	

Item No.	Name	Size	QTY/PC	Material	Physical properties										Chemical Analyses									
					Heat No	YS	TS	E	H	C	Si	Mn	P	S	Cu	Ni	Mo	Cr						
1	CAP SCH40	2.1/2"	50	A234WPB	16442	248	445	26	155	0.14	0.13	0.53	0.019	0.011	0.12	0.11	0.003	0.12						
2	CAP SCH40	4"	50	A234WPB	16321	249	443	28	152	0.23	0.14	0.51	0.020	0.012	0.14	0.13	0.004	0.14						
3	CAP SCH40	6"	50	A234WPB	15420	250	445	29	154	0.18	0.12	0.52	0.021	0.013	0.13	0.13	0.003	0.13						
4	ELBOW 90 DEG SCH40	1/2"	700	A234WPB	16523	251	446	28	155	0.22	0.13	0.46	0.012	0.012	0.12	0.11	0.002	0.12						
5	ELBOW 90 DEG SCH40	1"	2000	A234WPB	15792	252	447	26	156	0.17	0.14	0.45	0.013	0.013	0.11	0.13	0.001	0.11						
6	ELBOW 90 DEG SCH40	1.1/2"	2000	A234WPB	15711	253	448	29	158	0.16	0.12	0.52	0.014	0.006	0.13	0.12	0.003	0.13						
7	ELBOW 90 DEG SCH40	2"	1500	A234WPB	15763	254	452	27	154	0.21	0.13	0.46	0.012	0.005	0.13	0.14	0.004	0.13						
8	ELBOW 90 DEG SCH40	2.1/2"	800	A234WPB	15233	256	456	30	153	0.13	0.13	0.48	0.014	0.013	0.13	0.12	0.003	0.13						
9	ELBOW 90 DEG SCH40	3"	800	A234WPB	15633	246	452	31	155	0.22	0.14	0.49	0.015	0.012	0.120	0.140	0.002	0.12						
10	ELBOW 90 DEG SCH40	4"	200	A234WPB	15422	252	451	32	154	0.21	0.12	0.45	0.012	0.014	0.140	0.130	0.003	0.13						
11	ELBOW 90 DEG SCH40	5"	100	A234WPB	15666	253	453	29	152	0.18	0.13	0.43	0.013	0.013	0.130	0.150	0.002	0.14						
12	ELBOW 90 DEG SCH40	6"	330	A234WPB	15996	251	455	28	156	0.19	0.11	0.42	0.014	0.012	0.120	0.140	0.003	0.12						
13	ELBOW 45 DEG SCH40	1.1/2"	60	A234WPB	52411	253	448	29	158	0.16	0.12	0.52	0.014	0.006	0.13	0.12	0.003	0.13						
14	ELBOW 45 DEG SCH40	10"	2	A234WPB	56330	254	452	27	154	0.21	0.13	0.46	0.012	0.005	0.13	0.14	0.004	0.13						
15	CON. REDUCER SCH40	1.1/4" X 1"	300	A234WPB	52410	255	453	29	152	0.14	0.11	0.47	0.013	0.009	0.11	0.13	0.005	0.11						
16	CON. REDUCER SCH40	1.1/2" X 1"	200	A234WPB	52301	246	452	30	156	0.22	0.14	0.52	0.011	0.013	0.12	0.14	0.006	0.12						
17	CON. REDUCER SCH40	1.1/2" X 1.1/4"	50	A234WPB	52301	246	452	30	156	0.22	0.14	0.52	0.011	0.013	0.12	0.14	0.006	0.12						
18	CON. REDUCER SCH40	2" x 3/4"	50	A234WPB	52963	249	453	30	153	0.13	0.12	0.48	0.012	0.011	0.13	0.12	0.009	0.14						
19	CON. REDUCER SCH40	2" x 1"	550	A234WPB	52963	249	453	30	153	0.13	0.12	0.48	0.012	0.011	0.13	0.12	0.009	0.14						
20	CON. REDUCER SCH40	2" x 1.1/2"	200	A234WPB	52963	249	453	30	153	0.13	0.12	0.48	0.012	0.011	0.13	0.12	0.009	0.14						
TOTAL			9992																					

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

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

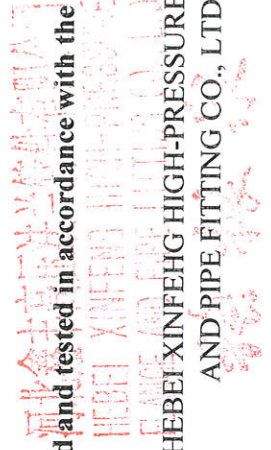
This to certify that in accordance with the relevant product specifications, technique conditions and contract stipulations,
the pipe fittings were tested qualified by our quality control department

CLIENT: Unimech Engineering (M) Sdn. Bhd	CERTIFICATE REF. NO: XF-UEM093
CONTRACT NO: ZPO-2101-0009	DATE OF REPORT: 2021-2-25
GOOD DESCRIPTION: 992PCS OF PIPE FITTING	
MARK OF MANUFACTURER: XF	

Item No.	Name	Size	QTY/PC	Material	Physical properties										Chemical Analyses									
					Heat No	YS	TS	E	H	C	Si	Mn	P	S	Cu	Ni	Mo	Cr						
21	CON. REDUCER SCH40	3" X 2.1/2"	50	A234WPB	52541	248	452	26	156	0.19	0.17	0.62	0.013	0.012	0.12	0.13	0.002	0.11						
22	CON. REDUCER SCH40	4" X 3"	200	A234WPB	52496	252	455	28	153	0.18	0.18	0.66	0.012	0.011	0.12	0.12	0.006	0.14						
23	CON. REDUCER SCH40	5" x 3"	50	A234WPB	52440	249	456	29	156	0.17	0.19	0.62	0.009	0.013	0.14	0.14	0.008	0.12						
24	CON. REDUCER SCH40	5" X 4'	30	A234WPB	52440	249	456	29	156	0.17	0.19	0.62	0.009	0.013	0.14	0.14	0.008	0.12						
25	CON. REDUCER SCH40	8" X 4"	50	A234WPB	52992	247	459	30	158	0.21	0.16	0.65	0.008	0.014	0.13	0.13	0.007	0.14						
26	CON. REDUCER SCH40	8" x 5"	10	A234WPB	52992	247	459	30	158	0.21	0.16	0.65	0.008	0.014	0.13	0.13	0.007	0.14						
27	ECC. REDUCER SCH40	2" X 1.1/2"	20	A234WPB	15971	248	458	28	154	0.19	0.14	0.62	0.012	0.013	0.12	0.11	0.006	0.12						
28	ECC. REDUCER SCH40	2.1/2" X 2"	20	A234WPB	15230	245	456	29	155	0.18	0.13	0.63	0.011	0.011	0.13	0.12	0.005	0.13						
29	ECC. REDUCER SCH40	4" x 2.1/2"	10	A234WPB	15211	246	454	27	156	0.21	0.12	0.62	0.012	0.009	0.12	0.12	0.006	0.12						
30	ECC. REDUCER SCH40	4" X 3"	20	A234WPB	15211	246	454	27	156	0.21	0.12	0.62	0.012	0.009	0.12	0.12	0.006	0.12						
31	ECC. REDUCER SCH40	6" x 4"	30	A234WPB	15999	248	452	29	154	0.19	0.14	0.61	0.013	0.013	0.14	0.14	0.003	0.14						
32	ECC. REDUCER SCH40	6" X 5"	20	A234WPB	15999	248	452	29	154	0.19	0.14	0.61	0.013	0.013	0.14	0.14	0.003	0.14						
33	EQUAL TEE SCH40	1"	500	A234WPB	30120	242	452	29	156	0.21	0.12	0.42	0.013	0.009	0.12	0.12	0.005	0.12						
34	EQUAL TEE SCH40	3"	150	A234WPB	30125	245	453	30	154	0.22	0.14	0.45	0.012	0.008	0.14	0.14	0.006	0.14						
35	EQUAL TEE SCH40	6"	20	A234WPB	30220	248	456	31	152	0.23	0.13	0.52	0.009	0.006	0.13	0.13	0.003	0.13						
36	EQUAL TEE SCH40	8"	20	A234WPB	30226	252	458	28	158	0.21	0.12	0.51	0.013	0.012	0.12	0.12	0.004	0.12						
37	EQUAL TEE SCH40	10"	20	A234WPB	20336	253	459	29	154	0.19	0.14	0.53	0.012	0.014	0.140	0.140	0.003	0.14						
38	REDUCING TEE SCH40	1.1/2" X 3/4"	80	A234WPB	24110	251	452	32	155	0.21	0.13	0.54	0.014	0.012	0.130	0.130	0.005	0.13						
TOTAL			1300																					

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 10204-3.1)

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

CLIENT: Unimech Engineering (M) Sdn. Bhd	CERTIFICATE REF. NO.: XF-UJEM093
CONTRACT NO.: ZPO-2101-0009	DATE OF REPORT: 2021-2-25
GOOD DESCRIPTION: 9992PCS OF PIPE FITTING	
MARK OF MANUFACTURER: XF	

Item No.	Name	Size	QTY/PC	Material	Heat No	YS	TS	E	H	C	Si	Mn	P	S	Cu	Ni	Mo	Cr	Chemical Analyses										
																			Physical properties										
39	REDUCING TEE SCH40	2" X 1/2"	50	A234WPB	24162	247	452	28	156	0.17	0.12	0.62	0.012	0.013	0.11	0.13	0.006	0.12											
40	REDUCING TEE SCH40	2" X 1"	200	A234WPB	24162	247	452	28	156	0.17	0.12	0.62	0.012	0.013	0.11	0.13	0.006	0.12											
41	REDUCING TEE SCH40	2" X 1.1/2"	50	A234WPB	24162	247	452	28	156	0.17	0.12	0.62	0.012	0.013	0.11	0.13	0.006	0.12											
42	REDUCING TEE SCH40	3" X 1.1/4"	30	A234WPB	56120	254	459	30	152	0.19	0.13	0.65	0.013	0.012	0.11	0.13	0.006	0.14											
43	REDUCING TEE SCH40	3" x 1.1/2"	50	A234WPB	56120	254	459	30	152	0.19	0.13	0.65	0.013	0.012	0.11	0.13	0.006	0.14											
44	REDUCING TEE SCH40	5" x 2"	10	A234WPB	56310	246	452	31	158	0.23	0.14	0.67	0.013	0.012	0.14	0.14	0.002	0.12											
45	REDUCING TEE SCH40	6" x 2"	20	A234WPB	56310	246	452	31	158	0.23	0.14	0.67	0.013	0.012	0.14	0.14	0.002	0.12											
46	REDUCING TEE SCH40	6" x 2.1/2"	20	A234WPB	56310	247	451	25	159	0.21	0.12	0.68	0.014	0.014	0.13	0.13	0.003	0.14											
47	REDUCING TEE SCH40	6" X 3"	10	A234WPB	56310	247	451	25	159	0.21	0.12	0.68	0.014	0.014	0.13	0.13	0.003	0.14											
48	REDUCING TEE SCH40	8" x 4"	20	A234WPB	56330	253	455	28	152	0.21	0.12	0.67	0.013	0.014	0.13	0.16	0.002	0.13											
49	CAP SCH80	2"	30	A234WPB	52410	251	456	27	162	0.22	0.13	0.56	0.014	0.012	0.12	0.12	0.003	0.12											
50	ELBOW 90 DEG SCH80	1.1/2"	100	A234WPB	96410	255	455	33	163	0.21	0.11	0.54	0.012	0.013	0.11	0.13	0.006	0.13											
51	ELBOW 90 DEG SCH80	6"	60	A234WPB	97120	253	457	32	154	0.21	0.12	0.52	0.013	0.006	0.13	0.14	0.003	0.13											
52	CON. REDUCER SCH80	1.1/4" X 1"	50	A234WPB	35000	254	456	30	152	0.23	0.13	0.56	0.014	0.005	0.13	0.12	0.002	0.13											
53	CON. REDUCER SCH80	2" X 1"	60	A234WPB	35001	254	455	31	156	0.23	0.12	0.55	0.013	0.013	0.13	0.13	0.003	0.13											
54	CON. REDUCER SCH80	2" X 1.1/4"	10	A234WPB	35001	254	455	31	156	0.23	0.12	0.55	0.013	0.013	0.13	0.13	0.003	0.13											
55	CON. REDUCER SCH80	2" X 1.1/2"	20	A234WPB	35001	254	455	31	156	0.23	0.12	0.55	0.013	0.013	0.13	0.13	0.003	0.13											
56	CON. REDUCER SCH80	3" X 2"	30	A234WPB	35601	256	455	28	154	0.21	0.14	0.53	0.012	0.013	0.120	0.150	0.003	0.14											
TOTAL			820																										

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

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MARK OF MANUFACTURER: XF	
GOOD DESCRIPTION: 9992PCS OF PIPE FITTING	

Item No.	Name	Size	QTY/PC	Material	Physical properties							Chemical Analyses						
					Heat No	YS	TS	E	H	C	Si	Mn	P	S	Cu	Ni	Mo	Cr
57	ECC. REDUCER SCH80	1.1/2" x 1/2"	10	A234WPB	64120	248	453	26	156	0.19	0.17	0.62	0.009	0.012	0.12	0.13	0.002	0.12
58	ECC. REDUCER SCH80	1.1/2" X 3/4"	10	A234WPB	64120	248	453	26	156	0.19	0.17	0.62	0.009	0.012	0.12	0.13	0.002	0.12
59	ECC. REDUCER SCH80	2" X 1"	20	A234WPB	64300	251	456	29	154	0.21	0.19	0.64	0.014	0.014	0.11	0.12	0.005	0.12
60	ECC. REDUCER SCH80	2" X 1.1/2"	10	A234WPB	64300	251	456	29	154	0.21	0.19	0.64	0.014	0.014	0.11	0.12	0.005	0.12
61	ECC. REDUCER SCH80	3" X 1.1/2"	10	A234WPB	64301	245	463	32	153	0.22	0.12	0.66	0.012	0.013	0.12	0.12	0.004	0.13
62	EQUAL TEE SCH80	1/2"	30	A234WPB	65221	246	452	31	158	0.23	0.14	0.67	0.013	0.009	0.14	0.14	0.002	0.12
63	REDUCING TEE SCH80	2" x 3/4"	15	A234WPB	65820	248	456	26	159	0.21	0.12	0.68	0.014	0.014	0.13	0.13	0.003	0.13
TOTAL			105															

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

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INSPECTOR: 赵之强

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



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					Heat No	YS	TS	E	H	C	Si	Mn	P	S	Cu	Ni	Mo	Cr						
57	ECC. REDUCER SCH80	1.1/2" x 1/2"	10	A234WPB	64120	248	453	26	156	0.19	0.17	0.62	0.009	0.012	0.12	0.13	0.002	0.12						
58	ECC. REDUCER SCH80	1.1/2" X 3/4"	10	A234WPB	64120	248	453	26	156	0.19	0.17	0.62	0.009	0.012	0.12	0.13	0.002	0.12						
59	ECC. REDUCER SCH80	2" X 1"	20	A234WPB	64300	251	456	29	154	0.21	0.19	0.64	0.014	0.014	0.11	0.12	0.005	0.12						
60	ECC. REDUCER SCH80	2" X 1.1/2"	10	A234WPB	64300	251	456	29	154	0.21	0.19	0.64	0.014	0.014	0.11	0.12	0.005	0.12						
61	ECC. REDUCER SCH80	3" X 1.1/2"	10	A234WPB	64301	245	463	32	153	0.22	0.12	0.66	0.012	0.013	0.12	0.12	0.004	0.13						
62	EQUAL TEE SCH80	1/2"	30	A234WPB	65221	246	452	31	158	0.23	0.14	0.67	0.013	0.009	0.14	0.14	0.002	0.12						
63	REDUCING TEE SCH80	2" x 3/4"	15	A234WPB	65820	248	456	26	159	0.21	0.12	0.68	0.014	0.014	0.13	0.13	0.003	0.13						
TOTAL			105																					

Visual examination Without Complaint

Dimensional inspection Without Complaint

Surface crack inspection: Without Complaint

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