

SHANGHAI UNIMECH INTERNATIONAL TRADE CO., LTD

MATERIAL TEST CERTIFICATE

To: UNIMECH ENGINEERING (M) SDN. BHD

PO#: ZPO-1509-0018

编号 (No)	名称 (Name)					材质 (Material)			标准 (Standard)				数量 (QTY)	炉号 (Heat No)	组号 (Batch No)			
1	NPT BUSHING 1.1/4" X 1" 3000#					A105			B16.11				100	01407-0773	29N30			
2	NPT BUSHING 2" X 1.1/2" 3000#					A105			B16.11				20	2206-00863	29N43			
3	NPT BUSHING 2.1/2" X 1" 3000#					A105			B16.11				20	2306-02340	29N64			
4	NPT CAP 1.1/4" 3000#					A105			B16.11				30	01407-0773	29N30			
5	NPT CAP 2.1/2" 3000#					A105			B16.11				20	2306-02340	29N64			
6	NPT CAP 3" 3000#					A105			B16.11				20	2306-02347	29N57			
7	NPT FULL COUPLING 1/4" 3000#					A105			B16.11				300	01410-0467	29N59			
化学元素 (Chemical Composition%)													机械性能 (Mechanical Properties)					
编号 (No)	C	Si	Mn	P	S	Cr	Ni	Mo	V	Cu	Nb	CE	屈服Mpa Yield Strength	抗拉 Mpa Tensile Strength	延伸% Elongat	断面收缩% R.A.	冲击功 Impact	硬度 Hardness
1	0.22	0.22	0.79	0.022	0.013	0.04	0.03	0.01	0.002	0.12	0.002		282	525	34	52		134-156
2	0.20	0.22	0.83	0.017	0.012	0.09	0.02	0.003	0.001	0.037	0.003		288	534	28	50		130-154
3	0.22	0.22	0.89	0.014	0.007	0.039	0.02	0.007	0.0001	0.011	0.0001		279	537	28	52		136-158
4	0.22	0.22	0.79	0.022	0.013	0.04	0.03	0.01	0.002	0.12	0.002		282	525	34	52		134-156
5	0.22	0.22	0.89	0.014	0.007	0.039	0.02	0.007	0.0001	0.011	0.0001		279	537	28	52		136-158
6	0.21	0.26	0.86	0.021	0.005	0.02	0.03	0.01	0.0001	0.03	0.0001		284	534	28	50		135-168
7	0.22	0.26	0.78	0.025	0.005	0.02	0.03	0.02	0.0001	0.02	0.0001		281	537	28	35		134-157
表面检测: OK Surface Inspection				尺寸检查: OK Dimension Inspection				探伤: MT/PT				热处理: OK Heat Treatment						

签发人 (Signatory):

签发日期 (Date):

责任人 (Inspection):

质量部门盖红章有效



SHANGHAI UNIMECH INTERNATIONAL TRADE CO., LTD

MATERIAL TEST CERTIFICATE

To: UNIMECH ENGINEERING (M) SDN. BHD

PO#: ZPO-1509-0018

编号 (No)	名称 (Name)	材质 (Material)	标准 (Standard)	数量 (QTY)	炉号 (Heat No)	组号 (Batch No)
8	NPT 90DEG ELBOW 1" 3000#	A105	B16.11	200	01408-0037	29O12
9	NPT 90DEG ELBOW 1.1/4" 3000#	A105	B16.11	150	01407-0773	29N30
10	NPT 90DEG ELBOW 2.1/2" 3000#	A105	B16.11	50	2306-02340	29N64
11	NPT 90DEG ELBOW 3" 3000#	A105	B16.11	30	2306-02347	29N57
12	NPT NIPPLE 1/4" 3000#	A105	B16.11	100	01410-0467	29N59
13	NPT RED COUPLING 1" X 1/2" 3000#	A105	B16.11	100	01212-0735	29M04
14	NPT RED COUPLING 1.1/4" X 1" 3000#	A105	B16.11	150	01407-0773	29N30

化学元素 (Chemical Composition%)

机械性能 (Mechanical Properties)

编号 (No)	C	Si	Mn	P	S	Cr	Ni	Mo	V	Cu	Nb	CE	屈服Mpa Yield Strength	抗拉 Mpa Tensile Strength	延伸% Elongat	断面收缩% R.A.	冲击功 Impact	硬度 Hardness
8	0.22	0.26	0.88	0.014	0.005	0.04	0.03	0.005	0.001	0.13	0.001		285	525	38	54		125-148
9	0.22	0.22	0.79	0.022	0.013	0.04	0.03	0.01	0.002	0.12	0.002		282	525	34	52		134-156
10	0.22	0.22	0.89	0.014	0.007	0.039	0.02	0.007	0.0001	0.011	0.0001		279	537	28	52		136-158
11	0.21	0.26	0.86	0.021	0.005	0.02	0.03	0.01	0.0001	0.03	0.0001		284	534	28	50		135-168
12	0.22	0.26	0.78	0.025	0.005	0.02	0.03	0.02	0.0001	0.02	0.0001		281	537	28	35		134-157
13	0.22	0.25	0.68	0.012	0.003	0.04	0.02	0.02	0.002	0.03	0.001		286	514	28	32		136-153
14	0.22	0.22	0.79	0.022	0.013	0.04	0.03	0.01	0.002	0.12	0.002		282	525	34	52		134-156

表面检测: OK
Surface Inspection

尺寸检查: OK
Dimension Inspection

探伤:
MT/PT

热处理: OK
Heat Treatment

签发人 (Signatory):

签发日期 (Date):

责任人 (Inspection):

质量部门盖章有效:



SHANGHAI UNIMECH INTERNATIONAL TRADE CO., LTD

MATERIAL TEST CERTIFICATE

To: UNIMECH ENGINEERING (M) SDN. BHD

PO#: ZPO-1509-0018

编号 (No)	名称 (Name)	材质 (Material)	标准 (Standard)										数量 (QTY)	炉号 (Heat No)	组号 (Batch No)			
15	NPT RED COUPLING 1.1/2" X 1" 3000#	A105	B16.11										100	1209-08163	29N44			
16	NPT RED COUPLING 2" X 1" 3000#	A105	B16.11										50	2206-00863	29N43			
17	NPT RED COUPLING 2" X 1.1/4" 3000#	A105	B16.11										50	2206-00863	29N43			
18	NPT RED COUPLING 2" X 1.1/2" 3000#	A105	B16.11										50	2206-00863	29N43			
19	NPT RED COUPLING 2.1/2" X 1.1/2" 30	A105	B16.11										15	2306-02340	29N64			
20	NPT RED COUPLING 2.1/2" X 2" 3000#	A105	B16.11										15	2306-02340	29N64			
21	NPT RED COUPLING 3" X 2" 3000#	A105	B16.11										10	2306-02347	29N57			
化学元素 (Chemical Composition%)													机械性能 (Mechanical Properties)					
编号 (No)	C	Si	Mn	P	S	Cr	Ni	Mo	V	Cu	Nb	CE	屈服Mpa Yield Strength	抗拉 Mpa Tensile Strength	延伸% Elongat	断面收缩% R.A.	冲击功 Impact	硬度 Hardness
15	0.21	0.21	0.82	0.023	0.01	0.092	0.02	0.003	0.0001	0.037	0.0001		288	531	28	33		135-164
16	0.20	0.22	0.83	0.017	0.012	0.09	0.02	0.003	0.001	0.037	0.003		288	534	28	50		130-154
17	0.20	0.22	0.83	0.017	0.012	0.09	0.02	0.003	0.001	0.037	0.003		288	534	28	50		130-154
18	0.20	0.22	0.83	0.017	0.012	0.09	0.02	0.003	0.001	0.037	0.003		288	534	28	50		130-154
19	0.22	0.22	0.89	0.014	0.007	0.039	0.02	0.007	0.0001	0.011	0.0001		279	537	28	52		136-158
20	0.22	0.22	0.89	0.014	0.007	0.039	0.02	0.007	0.0001	0.011	0.0001		279	537	28	52		136-158
21	0.21	0.26	0.86	0.021	0.005	0.02	0.03	0.01	0.0001	0.03	0.0001		284	534	28	50		135-168
表面检测: OK Surface Inspection				尺寸检查: OK Dimension Inspection				探伤: MT/PT					热处理: OK Heat Treatment					

签发人 (Signatory):

签发日期 (Date):

责任人 (Inspection):

质量部门盖红章有效:



SHANGHAI UNIMECH INTERNATIONAL TRADE CO., LTD

MATERIAL TEST CERTIFICATE

To: UNIMECH ENGINEERING (M) SDN. BHD

PO#: ZPO-1509-0018

编号 (No)	名称 (Name)	材质 (Material)	标准 (Standard)	数量 (QTY)	炉号 (Heat No)	组号 (Batch No)
22	NPT RED COUPLING 3" X 2.1/2" 3000#	A105	B16.11	10	2306-02347	29N57
23	NPT TEE 2.1/2" 3000#	A105	B16.11	15	2306-02340	29N64
24	NPT UNION 2.1/2" 3000#	A105	MSS SP-83	20	2306-02347	29N57
25	NPT RE TEE 2" X 1" 3000#	A105	B16.11	50	2206-00863	29N43
26	SW FULL COUPLING 1.1/2" 3000#	A105	B16.11	50	01407-0766	29N29
27	SW 90DEG ELBOW 1/2" 3000#	A105	B16.11	300	01410-0467	29N59
28	SW RED COUPLING 1.1/2" X 1/2" 3000#	A105	B16.11	20	01407-0766	29N29

化学元素 (Chemical Composition%)												机械性能 (Mechanical Properties)					
------------------------------	--	--	--	--	--	--	--	--	--	--	--	------------------------------	--	--	--	--	--

编号 (No)	C	Si	Mn	P	S	Cr	Ni	Mo	V	Cu	Nb	CE	屈服Mpa Yield Strength	抗拉 Mpa Tensile Strength	延伸% Elongat	断面收缩% R.A.	冲击功 Impact	硬度 Hardness
22	0.21	0.26	0.86	0.021	0.005	0.02	0.03	0.01	0.0001	0.03	0.0001		284	534	28	50		135-168
23	0.22	0.22	0.89	0.014	0.007	0.039	0.02	0.007	0.0001	0.011	0.0001		279	537	28	52		136-158
24	0.21	0.26	0.86	0.021	0.005	0.02	0.03	0.01	0.0001	0.03	0.0001		284	534	28	50		135-168
25	0.20	0.22	0.83	0.017	0.012	0.09	0.02	0.003	0.001	0.037	0.003		288	534	28	50		130-154
26	0.23	0.24	0.79	0.021	0.005	0.03	0.02	0.02	0.002	0.04	0.00001		287	527	29	52		135-166
27	0.22	0.26	0.78	0.025	0.005	0.02	0.03	0.02	0.0001	0.02	0.0001		281	537	28	52		134-157
28	0.23	0.24	0.79	0.021	0.005	0.03	0.02	0.02	0.002	0.04	0.00001		287	527	29	52		135-166

表面检测: OK Surface Inspection	尺寸检查: OK Dimension Inspection	探伤: MT/PT	热处理: OK Heat Treatment
--------------------------------	----------------------------------	--------------	---------------------------

签发人 (Signatory):

签发日期 (Date):

责任人 (Inspection):

质量部门盖红章有效:



SHANGHAI UNIMECH INTERNATIONAL TRADE CO., LTD

MATERIAL TEST CERTIFICATE

To: UNIMECH ENGINEERING (M) SDN. BHD

PO#: ZPO-1509-0018

客户 (CUSTOMER): 上海联隆160307-002

Certificate EN 10204/DIN 50049-3.1B

编号 (No)	名称 (Name)	材质 (Material)	标准 (Standard)	数量 (QTY)	炉号 (Heat No)	组号 (Batch No)												
29	SW TEE 2" 3000#	A105	B16.11	30	1209-08163	29N44												
30	SW UNION 3/8" 3000#	A105	MSS SP-83	50	01410-0467	29N59												
31	SW UNION 1/2" 3000#	A105	MSS SP-83	50	01212-0732	29M02												
32	SOCKOLET 3/4" 3000#	A105	MSS SP-97	20	01410-0467	29N59												
33	SOCKOLET 2" 3000#	A105	MSS SP-97	20	01407-0773	29N30												
34	SOCKOLET 2.1/2" 3000#	A105	MSS SP-97	10	2206-00863	29N43												
35	SW 90DEG ELBOW 1" 3000#	A105	B16.11	100	01408-0033	29N67												
化学元素 (Chemical Composition%)												机械性能 (Mechanical Properties)						
编号 (No)	C	Si	Mn	P	S	Cr	Ni	Mo	V	Cu	Nb	CE	屈服Mpa Yield Strength	抗拉 Mpa Tensile Strength	延伸% Elongat	断面收缩% R.A.	冲击功 Impact	硬度 Hardness
29	0.21	0.21	0.82	0.023	0.01	0.092	0.02	0.003	0.0001	0.037	0.0001		288	531	28	33		135-164
30	0.22	0.26	0.78	0.025	0.005	0.02	0.03	0.02	0.0001	0.02	0.0001		281	537	28	25		134-157
31	0.20	0.24	0.75	0.016	0.007	0.03	0.02	0.02	0.002	0.03	0.001		283	512	27	48		134-148
32	0.22	0.26	0.78	0.025	0.005	0.02	0.03	0.02	0.0001	0.02	0.0001		281	537	28	35		134-157
33	0.22	0.22	0.79	0.022	0.013	0.04	0.03	0.01	0.002	0.12	0.002		282	525	34	52		134-156
34	0.20	0.22	0.83	0.017	0.012	0.09	0.02	0.003	0.001	0.037	0.003		288	534	28	50		130-154
35	0.21	0.25	0.71	0.026	0.011	0.04	0.05	0.005	0.0001	0.2	0.0001		289	514	26	46		137-164
表面检测: OK Surface Inspection				尺寸检查: OK Dimension Inspection				探伤: MT/PT				热处理: OK Heat Treatment						

签发人 (Signatory):

签发日期 (Date):

责任人 (Inspection):

质量部门盖红章有效:

SHANGHAI UNIMECH INTERNATIONAL TRADE CO., LTD

MATERIAL TEST CERTIFICATE

To: UNIMECH ENGINEERING (M) SDN. BHD

PO#: ZPO-1509-0018

客户 (CUSTOMER): 上海联隆160307-002

Certificate EN 10204/DIN 50049-3.1B

编号 (No)	名称 (Name)	材质 (Material)	标准 (Standard)	数量 (QTY)	炉号 (Heat No)	组号 (Batch No)
36	NPT BUSHING 3/8" X 1/4" 3000#	A182F304	B16.11	100	14HT0566	1N209
37	NPT BUSHING 1/2" X 1/4" 3000#	A182F304	B16.11	200	14HT0566	1N209
38	NPT BUSHING 1/2" X 3/8" 3000#	A182F304	B16.11	100	14HT0566	1N209
39	NPT BUSHING 3/4" X 3/8" 3000#	A182F304	B16.11	100	14HT0519	4O310
40	NPT BUSHING 3/4" X 1/2" 3000#	A182F304	B16.11	100	14HT0519	4O310
41	NPT BUSHING 1.1/2" X 1.1/4" 3000#	A182F304	B16.11	20	14D644	1M304
42	NPT BUSHING 2" X 1/2" 3000#	A182F304	B16.11	20	14HT0568	1O302

化学元素 (Chemical Composition%)

机械性能 (Mechanical Properties)

编号 (No)	化学元素 (Chemical Composition%)												机械性能 (Mechanical Properties)					
	C	Si	Mn	P	S	Cr	Ni	Mo	V	Cu	Nb	CE	屈服Mpa Yield Strength	抗拉 Mpa Tensile Strength	延伸% Elongat	断面收缩% R.A.	冲击功 Impact	硬度 Hardness
36	0.041	0.47	1.31	0.041	0.013	18.16	8.09						275	545	52	67		
37	0.041	0.47	1.31	0.041	0.013	18.16	8.09						275	545	52	67		
38	0.041	0.47	1.31	0.041	0.013	18.16	8.09						275	545	52	67		
39	0.042	0.48	1.32	0.041	0.011	18.15	8.08						225	535	56	68		
40	0.042	0.48	1.32	0.041	0.011	18.15	8.08						225	535	56	68		
41	0.041	0.46	1.32	0.038	0.011	18.11	8.13						275	535	54	63		
42	0.042	0.43	1.35	0.041	0.016	18.12	8.09						275	545	56	68		

表面检测: OK
Surface Inspection

尺寸检查: OK
Dimension Inspection

探伤:
MT/PT

热处理: OK
Heat Treatment

签发人 (Signatory):

签发日期 (Date):

责任人 (Inspection):

质量部门盖红章有效:



SHANGHAI UNIMECH INTERNATIONAL TRADE CO., LTD

MATERIAL TEST CERTIFICATE

To: UNIMECH ENGINEERING (M) SDN. BHD

PO#: ZPO-1509-0018

编号 (No)	名称 (Name)	材质 (Material)	标准 (Standard)	数量 (QTY)	炉号 (Heat No)	组号 (Batch No)
43	NPT BUSHING 2" X 1" 3000#	A182F304	B16.11	20	14HT0568	1O302
44	NPT HALF COUPLING 1/4" 3000#	A182F304	B16.11	50	14HT0179	1N101
45	NPT FULL COUPLING 2" 3000#	A182F304	B16.11	50	14HT0568	1O302
46	NPT 90DEG ELBOW 1" 3000#	A182F304	B16.11	100	14HT0179	1N101
47	NPT NIPPLE 1/2" 3000#	A182F304	B16.11	200	14HT0566	1N209
48	NPT NIPPLE 3/4" 3000#	A182F304	B16.11	100	14HT0519	4O310
49	NPT NIPPLE 1" 3000#	A182F304	B16.11	100	07ZT1226	1H01

化学元素 (Chemical Composition%)

机械性能 (Mechanical Properties)

编号 (No)	化学元素 (Chemical Composition%)												机械性能 (Mechanical Properties)					
	C	Si	Mn	P	S	Cr	Ni	Mo	V	Cu	Nb	CE	屈服Mpa Yield Strength	抗拉 Mpa Tensile Strength	延伸% Elongat	断面收缩% R.A.	冲击功 Impact	硬度 Hardness
43	0.042	0.43	1.35	0.041	0.016	18.12	8.09						275	545	56	68		
44	0.04	0.43	1.32	0.043	0.012	18.15	8.11						265	555	54	64		
45	0.042	0.43	1.35	0.041	0.016	18.12	8.09						275	545	56	68		
46	0.04	0.43	1.32	0.043	0.012	18.15	8.11						265	555	54	64		
47	0.041	0.47	1.31	0.041	0.013	18.16	8.09						275	545	52	67		
48	0.042	0.48	1.32	0.041	0.011	18.15	8.08						225	535	56	68		
49	0.037	0.48	1.50	0.04	0.009	18.16	8.00						289	551	44	55		

表面检测: OK
Surface Inspection

尺寸检查: OK
Dimension Inspection

探伤:
MT/PT

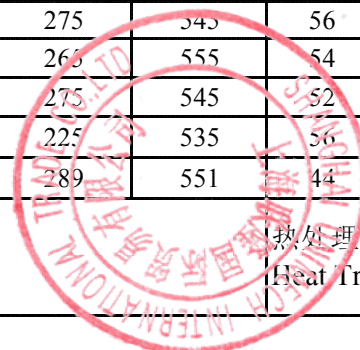
热处理: OK
Heat Treatment

签发人 (Signatory):

签发日期 (Date):

责任人 (Inspection):

质量部门盖红章有效:



SHANGHAI UNIMECH INTERNATIONAL TRADE CO., LTD

MATERIAL TEST CERTIFICATE

To: UNIMECH ENGINEERING (M) SDN. BHD

PO#: ZPO-1509-0018

编号 (No)	名称 (Name)	材质 (Material)	标准 (Standard)	数量 (QTY)	炉号 (Heat No)	组号 (Batch No)
50	NPT RED COUPLING 1/2" X 3/8" 3000#	A182F304	B16.11	50	14HT0179	1N101
51	NPT RED COUPLING 1.1/2" X 1/2" 3000#	A182F304	B16.11	20	14D644	1M304
52	SW UNION 1" 3000#	A182F304	MSS SP-83	50	14HT0179	1N101

化学元素 (Chemical Composition%)													机械性能 (Mechanical Properties)					
编号 (No)	C	Si	Mn	P	S	Cr	Ni	Mo	V	Cu	Nb	CE	屈服Mpa Yield Strength	抗拉 Mpa Tensile Strength	延伸% Elongat	断面收缩% R.A.	冲击功 Impact	硬度 Hardness
50	0.04	0.43	1.32	0.043	0.012	18.15	8.11						265	555	54	64		
51	0.041	0.46	1.32	0.038	0.011	18.11	8.13						275	535	54	63		
52	0.04	0.43	1.32	0.043	0.012	18.15	8.11						265	555	54	64		

表面检测: OK Surface Inspection	尺寸检查: OK Dimension Inspection	探伤: MT/PT	热处理: OK Heat Treatment
--------------------------------	----------------------------------	--------------	---------------------------

签发人 (Signatory):

签发日期 (Date):

责任人 (Inspection):

质量部门盖红章有效:

