ZHEJIANG ANIX VALVE TECHNOLOGY CO.,LTD

LONGWAN INDUSTRIAL BASE LONGWAN WENZHOU ,(Area 3,Valves Base) CHINA

Mill Test Certificate

Report No.: AN-1811034

TO:Unimech Engineering (M) Sdn Bhd

Order No.:AN-M-2018-1108

Date:Nov 8th,2018

1、Chemical And Tensile Requirements

Material: ASTM A351 CF8					Chemical Composition %								Tension Test		
Description	Size	Serial No.	Heat NO.	QTY (PCS)	C	Mn	Si	P	S	Cr	Ni	Mo	Yield Strength ≥205Mpa	Tensile Strength ≥485Mpa	Elongation ≥35%
					≤0.08	≤1.50	≤2.00	≤0.04	≤0.04	18-21	8-11	≤0.50			
Flange Ball Valve CF8 PN16	1"	ARV18111291~18111310	A871	20	0.058	0.51	1.29	0.032	0.008	18.27	8.1	0.06	240	561	45

2、Pressure Test And The Results

Detection Project	Media	Measured Values (Mpa)	Duration (s)	Test Results	Results
Shell Test	Water	2.4MPa	≥15	No Leak	Qualified
Seal Test	Air	0.6MPa	≥15	No Leak	Qualified
Test Standard	API 598 〈valve inspections and tests 〉				

We certify that the material has been sampled,tested,and inspect with provisions of the above referenced.

Q.C. Manager: Youcheng Xu

ZHEJIANG ANIX VALVE TECHNOLOGY CO.,LTD

LONGWAN INDUSTRIAL BASE LONGWAN WENZHOU ,(Area 3,Valves Base) CHINA

Mill Test Certificate

Report No. AN-1810023

TO:Unimech Engineering (M) Sdn Bhd

Order No.:AN-M-2018-1012

Date:Oct 12th,2018

1、Chemical And Tensile Requirements

Material: ASTM A351 CF8					Chemical Composition %								Tension Test		
Description	Size	Serial No.	Heat NO.	QTY (PCS)	C	Mn	Si	P	S	Cr	Ni	Mo	Yield Strength ≥205Mpa	Tensile Strength ≥485Mpa	Elongation ≥35%
					≤0.08	≤1.50	≤2.00	≤0.04	≤0.04	18-21	8-11	≤0.50			
Flange Ball Valve CF8 10K	1-1/2"	ARV1811365 ~1811394	A871	30	0.058	0.51	1.29	0.032	0.008	18.27	8.1	0.06	240	561	45
	2"	ARV1811395 ~1811534	A875	140	0.064	1.21	0.88	0.027	0.01	18.28	8.05	0.24	242	554	39
			A876		0.044	1.21	1.26	0.024	0.023	18.12	8.2	0.15	233	512	47
	3"	ARV1811715 ~1811914	A877	100	0.053	0.77	1.18	0.028	0.026	18.2	8.09	0.22	234	550	43
			A878		0.045	1.15	1.2	0.034	0.011	18.23	8.18	0.14	220	513	50
	4"	ARV18111015 ~181111143	A879	129	0.04	1.05	1.14	0.022	0.01	18.17	8.2	0.19	226	534	50
			A880		0.06	0.78	1.3	0.017	0.019	18.28	8.13	0.17	248	558	43

2、Pressure Test And The Results

Detection Project	Media	Measured Values (Mpa)	Duration (s)	Test Results	Results
Shell Test	Water	3.0MPa	≥120	No Leak	Qualified
Seal Test	Air	0.6MPa	≥120	No Leak	Qualified
Test Standard	API 598 〈valve inspections and tests〉				

We certify that the material has been sampled,tested,and inspect with provisions of the above referenced.

ZHEJIANG ANIX VALVE TECHNOLOGY CO., LTD FOR INSPECTION ONLY

Q.C. Manager: Youcheng Xu

ZHEJIANG ANIX VALVE TECHNOLOGY CO.,LTD

LONGWAN INDUSTRIAL BASE LONGWAN WENZHOU ,(Area 3,Valves Base) CHINA

Mill Test Certificate

Report No.: AN-1811033

TO:Unimech Engineering (M) Sdn Bhd

Order No.:AN-M-2018-1108

Date:Nov 8th,2018

1、Chemical And Tensile Requirements

Material: ASTM A351 CF8					Chemical Composition %								Tension Test		
Description	Size	Serial No.	Heat NO.	QTY (PCS)	C	Mn	Si	P	S	Cr	Ni	Mo	Yield Strength ≥205Mpa	Tensile Strength ≥485Mpa	Elongation ≥35%
					≤0.08	≤1.50	≤2.00	≤0.04	≤0.04	18-21	8-11	≤0.50			
Flange Ball Valve CF8 10K	3"	ARV1811715 ~18111014	A877	100	0.053	0.77	1.18	0.028	0.026	18.2	8.09	0.22	234	550	43
			A878		0.045	1.15	1.2	0.034	0.011	18.23	8.18	0.14	220	513	50
	6"	ARV18111265 ~18111274	A881	4	0.041	1.12	0.82	0.039	0.018	18.31	8.13	0.07	223	518	48

2、Pressure Test And The Results

Detection Project	Media	Measured Values (Mpa)	Duration (s)	Test Results	Results
Shell Test	Water	3.0MPa	≥120	No Leak	Qualified
Seal Test	Air	0.6MPa	≥120	No Leak	Qualified
Test Standard	API 598 〈valve inspections and tests〉				

We certify that the material has been sampled,tested,and inspect with provisions of the above referenced.

Q.C. Manager: Youcheng Xu

ZHEJIANG ANIX VALVE TECHNOLOGY CO.,LTD

LONGWAN INDUSTRIAL BASE LONGWAN WENZHOU ,(Area 3,Valves Base) CHINA

Mill Test Certificate

Report No. AN-1810022

TO:Unimech Engineering (M) Sdn Bhd

Order No.:AN-M-2018-1012

Date:Oct 12th,2018

1、Chemical And Tensile Requirements

Material: ASTM A351 CF8					Chemical Composition %								Tension Test		
Description	Size	Serial No.	Heat NO.	QTY (PCS)	C	Mn	Si	P	S	Cr	Ni	Mo	Yield Strength ≥205Mpa	Tensile Strength ≥485Mpa	Elongation ≥35%
					≤0.08	≤1.50	≤2.00	≤0.04	≤0.04	18-21	8-11	≤0.50			
Flange Ball Valve CF8 150LB	3/4"	ARV1811011 ~1811024	A871	24	0.058	0.51	1.29	0.032	0.008	18.27	8.1	0.06	240	561	45

2、Pressure Test And The Results

Detection Project	Media	Measured Values (Mpa)	Duration (s)	Test Results	Results
Shell Test	Water	3.0MPa	≥60	No Leak	Qualified
Seal Test	Air	0.6MPa	≥60	No Leak	Qualified
Test Standard	API 598 〈valve inspections and tests〉				

We certify that the material has been sampled,tested,and inspect with provisions of the above referenced.

ZHEJIANG ANIX VALVE TECHNOLOGY CO.,LTD 浙江埃尼斯阀门科技有限公司 检验专用章 FOR INSPECTION ONLY

Q.C. Manager: Youcheng Xu

ZHEJIANG ANIX VALVE TECHNOLOGY CO.,LTD

LONGWAN INDUSTRIAL BASE LONGWAN WENZHOU ,(Area 3,Valves Base) CHINA

Mill Test Certificate

Report No.: AN-1811032

TO:Unimech Engineering (M) Sdn Bhd

Order No.:AN-M-2018-1108

Date:Nov 8th,2018

1、Chemical And Tensile Requirements

Material: ASTM A351 CF8					Chemical Composition %								Tension Test		
Description	Size	Serial No.	Heat NO.	QTY (PCS)	C	Mn	Si	P	S	Cr	Ni	Mo	Yield Strength ≥205Mpa	Tensile Strength ≥485Mpa	Elongation ≥35%
					≤0.08	≤1.50	≤2.00	≤0.04	≤0.04	18-21	8-11	≤0.50			
Flange Ball Valve CF8 PTFE 150LB	2"	ARV1811025 ~1811304	A872	280	0.064	1.3	0.93	0.03	0.029	18.21	8.16	0.18	240	562	42
			A873		0.061	0.92	1.17	0.017	0.017	18.29	8.07	0.25	248	548	39
	4"	ARV1811305 ~1811324	A874	20	0.063	1.14	1.1	0.026	0.021	18.12	8.16	0.24	242	540	39
	6"	ARV1811325 ~1811364	A870	40	0.057	0.79	0.83	0.038	0.011	18.22	8.07	0.1	240	536	43

2、Pressure Test And The Results

Detection Project	Media	Measured Values (Mpa)	Duration (s)	Test Results	Results
Shell Test	Water	3.0MPa	≥60	No Leak	Qualified
Seal Test	Air	0.6MPa	≥60	No Leak	Qualified
Test Standard	API 598 〈valve inspections and tests〉				

We certify that the material has been sampled,tested,and inspect with provisions of the above referenced.

Q.C. Manager: Youcheng Xu