

ZHEJIANG ANIX VALVE TECHNOLOGY CO.,LTD

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

Mill Test Certificate

Report No.: AN-1811031

TO:Unimech Engineering (M) Sdn Bhd

Order No.:AN-M-2018-1108

Date:Nov 8th,2018

1、Chemical And Tensile Requirements

Material: ASTM A351 CF8M					Chemical Composition %								Tension Test		
Description	Size	Heat NO.	QTY (PCS)	Serial No.	C	Mn	Si	P	S	Cr	Ni	Mo	Yield Strength ≥205Mpa	Tensile Strength ≥485Mpa	Elongation ≥30%
					≤0.08	≤1.50	≤1.50	≤0.04	≤0.04	18-21	9-12	2-3			
Flange Swing Check Valve CF8M 10K	1-1/2"	8803	2	ARV1810199-1810200	0.042	0.89	0.86	0.039	0.018	18.27	9.13	2.08	228	522	49

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	Water	2.2MPa	≥60	Qualified	Qualified
Test Standard	API 598 (valve inspections and tests)				

We certify that the material has been sampled, tested, and inspected 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-1810005

Date: Oct 12th, 2018

Order No.: AN-M-2018-1012

TO: Unimech Engineering (M) Sdn Bhd

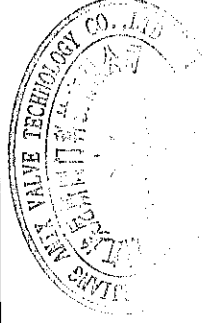
1、Chemical And Tensile Requirements

Material: ASTM A351 CF8				Chemical Composition %								Tension Test		
Description	Size	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 Swing Check Valve CF8 10K	2"	8601	30	0.048	0.89	1.16	0.028	0.015	18.16	8.08	0.12	232	528	44
	2-1/2"	8602	20	0.053	1.16	1.27	0.032	0.005	18.21	8.12	0.08	243	537	42

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	Water	2.2Mpa	≥60	Qualified	Qualified
Test Standard	API 598 (valve inspections and tests)				

We certify that the material has been sampled, tested, and inspected 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-1810006

TO:Unimech Engineering (M) Sdn Bhd

Order No.:AN-M-2018-1012

Date:Oct 12th,2018

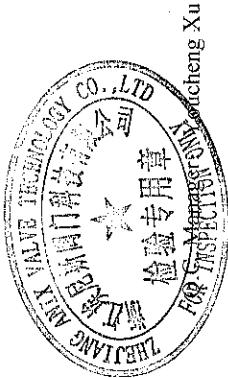
1、Chemical And Tensile Requirements

Material: ASTM A351 CF8M				Chemical Composition %							Tension Test			
Description	Size	Heat NO.	QTY (PCS)	C	Mn	Si	P	S	Cr	Ni	Mo	Yield Strength ≥205Mpa	Tensile Strength ≥485Mpa	Elongation ≥30%
				≤0.08	≤1.50	≤1.50	≤0.04	≤0.04	18-21	9-12	2-3			
Flange Swing Check Valve CF8M 10K	3"	8603	4	0.052	1.18	0.75	0.021	0.031	18.15	9.23	2.07	230	518	41

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	Water	2.2Mpa	≥60	Qualified	Qualified
Test Standard		API 598 (valve inspections and tests)			

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



ZHEJIANG ANIX VALVE TECHNOLOGY CO.,LTD

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

Mill Test Certificate

Report No.: AN-1810008

Date: Oct 12th, 2018

Order No.: AN-M-2018-1012

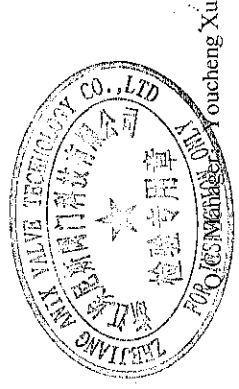
TO: Unimech Engineering (M) Sdn Bhd

1、Chemical And Tensile Requirements

Material: ASTM A351 CF8M				Chemical Composition %								Tension Test		
Description	Size	Heat NO.	QTY (PCS)	C	Mn	Si	P	S	Cr	Ni	Mo	Yield Strength $\geq 205\text{Mpa}$	Tensile Strength $\geq 485\text{Mpa}$	Elongation $\geq 30\%$
				≤ 0.08	≤ 1.50	≤ 1.50	≤ 0.04	≤ 0.04	18-21	9-12	2-3			
Flange Swing Check Valve CF8M 150LB	1"	8606	6	0.049	0.72	0.89	0.024	0.017	18.15	9.23	2.09	239	524	41
	4"	8606	8	0.049	0.72	0.89	0.024	0.017	18.15	9.23	2.09	239	524	41

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	Water	2.2Mpa	≥ 60	Qualified	Qualified
Test Standard	API 598 (valve inspections and tests)				



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

ZHEJIANG ANIX VALVE TECHNOLOGY CO.,LTD

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

Mill Test Certificate

Report No.: AN-1811030

TO:Unimech Engineering (M) Sdn Bhd

Order No.:AN-M-2018-1108

Date:Nov 8th,2018

1、 Chemical And Tensile Requirements

Material: ASTM A351 CF8M				Chemical Composition %								Tension Test			
Description	Size	Heat NO.	QTY (PCS)	Serial No.	C	Mn	Si	P	S	Cr	Ni	Mo	Yield Strength ≥205Mpa	Tensile Strength ≥485Mpa	Elongation ≥30%
					≤0.08	≤1.50	≤1.50	≤0.04	≤0.04	18-21	9-12	2-3			
Flange Swing Check Valve CF8M 150LB	2"	8803	60	ARV1811001 ~1811060	0.042	0.89	0.86	0.039	0.018	18.27	9.13	2.08	228	522	49

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	Water	2.2MPa	≥60	Qualified	Qualified
Test Standard	API 598 (valve inspections and tests)				

We certify that the material has been sampled, tested, and inspected 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-1811027

TO:Unimech Engineering (M) Sdn Bhd

Order No.:AN-M-2018-1108

Date:Nov 8th,2018

1、Chemical And Tensile Requirements

Material: ASTM A351 CF8M				Serial No.	Chemical Composition %								Tension Test		
Description	Size	Heat NO.	QTY (PCS)		C	Mn	Si	P	S	Cr	Ni	Mo	Yield Strength ≥205Mpa	Tensile Strength ≥485Mpa	Elongation ≥30%
					≤0.08	≤1.50	≤1.50	≤0.04	≤0.04	18-21	9-12	2-3			
Flange Swing Check Valve CF8M 150LB	6"	8607	9	ARV1810204~1810207	0.041	0.95	1.18	0.032	0.012	18.2	9.15	2.06	222	518	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	Water	2.2Mpa	≥60	Qualified	Qualified
Test Standard	API 598 (valve inspections and tests)				

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

Q.C. Manager: Youcheng Xu