

ZHEJIANG ANIX VALVE TECHNOLOGY CO.,LTD

LONGWAN INDUSTRIAL BASE LONGWAN WENZHOU (AREA 3, VALVES BASE),CHINA

Mill Test Certificate

Report No.: AN-1806016

Date: June 20th, 2018

TO: Unimech Engineering (M) Sdn Bhd

Order No.: AN-M-2018-0620

1、Chemical And Tensile Requirements

Description	Material: ASTM A351 CF8M	Heat NO.	QTY(PCS)	Chemical Composition %											Tension Test		
				C	Mn	Si	P	S	Cr	Ni	Mo	Cu	V	Yield Strength ≥205Mpa	Tensile Strength ≥485Mpa	Elongation ≥35%	
SS316 Swing Check Valve 200PSI BSPT	1/2"	M873	60	≤0.08	≤1.50	≤2.00	≤0.04	≤0.04	0.015	18~21	8~11	≤0.05	/	/	255	562	43
	1 1/2"	M873	120	0.059	0.82	1.16	0.023	0.015	18.17	8.09	0.017	/	/	255	562	43	
	2"	M873	104	0.059	0.82	1.16	0.023	0.015	18.17	8.09	0.017	/	/	255	562	43	

2、Pressure Test And The Results

Detection Project	Media	Measured Values (Mpa)	Duration (s)	Test Results	Results
Shell Test	Water	2.1Mpa	≥60	No Leak	Qualified
Seal Test	Water	1.6 Mpa	≥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-2010004

Date: Sep 26th 2020

Order No.: AN-M-2020-0926

TO: Unimech Engineering (M) Sdn Bhd

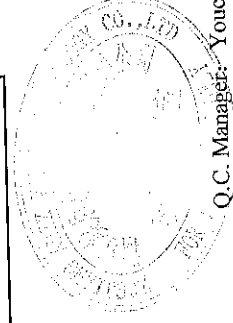
1. Chemical And Tensile Requirements

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			
Swing Check Valve 200PSI BSPT	2"	M00805	50	0.043	0.72	1.04	0.022	0.024	18.27	9.05	2.12	230	532	43

2. Pressure Test And The Results

Detection Project	Media	Measured Values (Mpa)	Duration (s)	Test Results	Results
Shell Test	Water	2.1MPa	≥ 60	No Leak	Qualified
Seal Test	Water	1.6MPa	≥ 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.



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ZHEJIANG ANIX VALVE TECHNOLOGY CO.,LTD

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

Mill Test Certificate

Report No.:AN-2012007

Date:Dec 7th 2020

Order No.:AN-M-2020-1207

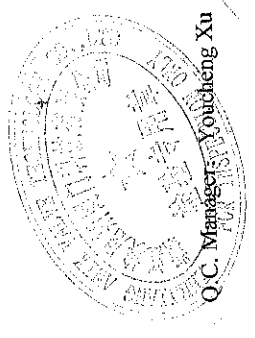
TO:Unimech Engineering (M) Sdn Bhd

1. Chemical And Tensile Requirements

Description	Material: ASTM A351 CF8M	Heat NO.	QTY (PCS)	Chemical Composition %										Tension Test			
				C	Mn	Si	P	S	Cr	Ni	Mo	Yield Strength ≥205Mpa	Tensile Strength ≥485Mpa	Elongation ≥30%			
Swing Check Valve 200PSI BSPT		M01011	55	≤0.08	≤1.50	≤1.50	≤0.04	≤0.04	≤0.04	18-21	9-12	2-3					
				0.048	1.25	1.2	0.021	0.016	18.14	9.09	2.1		227	520			44

2. Pressure Test And The Results

Detection Project	Media	Measured Values (Mpa)	Duration (s)	Test Results	Results
Shell Test	Water	2.1MPa	≥60	No Leak	Qualified
Seal Test	Water	1.6MPa	≥60	Qualified	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

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

Mill Test Certificate

Report No.: AN-2010004

Date: Sep 26th 2020

Order No.: AN-M-2020-0926

TO: Unimech Engineering (M) Sdn Bhd

1. Chemical And Tensile Requirements

Description	Material: ASTM A351 CF8M	Heat NO.	Size	QTY (PCS)	Chemical Composition %										Tension Test		
					C	Mn	Si	P	S	Cr	Ni	Mo	Yield Strength $\geq 205\text{Mpa}$	Tensile Strength $\geq 485\text{Mpa}$	Elongation $\geq 30\%$		
Swing Check Valve 200PSI BSPT		M00805	2"	50	≤ 0.08	≤ 1.50	≤ 1.50	≤ 0.04	≤ 0.04	0.024	18.27	9.05	2-3	230	532	43	

2. Pressure Test And The Results

Detection Project	Media	Measured Values (Mpa)	Duration (s)	Test Results	Results
Shell Test	Water	2.1MPa	≥ 60	No Leak	Qualified
Seal Test	Water	1.6MPa	≥ 60	Qualified	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.

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ZHEJIANG ANIX VALVE TECHNOLOGY CO.,LTD

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

Mill Test Certificate

Report No.:AN-2010018

Date:Oct 24th 2020

Order No.:AN-M-2020-1024

TO:Unimech Engineering (M) Sdn Bhd

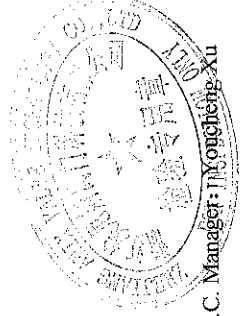
1、 Chemical And Tensile Requirements

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			
Swing Check Valve BSPT 200PSI	1/2"	M01010	50	0.061	0.81	1.1	0.018	0.01	18.17	9.1	2.18	243	554	39

2、 Pressure Test And The Results

Detection Project	Media	Measured Values (Mpa)	Duration (s)	Test Results	Results
Shell Test	Water	2.1MPa	≥ 60	No Leak	Qualified
Seal Test	Water	1.6MPa	≥ 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: J. Yongchun Xu