

ZHEJIANG ANIX VALVE TECHNOLOGY CO.,LTD

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

Mill Test Certificate

Report No.:AN-2007004

Date:July 13th 2020

Order No.:AN-M-2020-0713

TO:UNIMECH ENGINEERING (M) SDN BHD

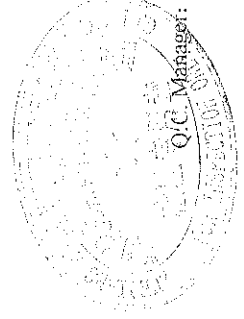
1. Chemical And Tensile Requirements

Material: ASTM A351 CF8			Chemical Composition %							Tension Test				
Description	Size	Heat NO.	QTY (PCS)	C	Mn	Si	P	S	Cr	Ni	Mo	Yield Strength $\geq 205\text{Mpa}$	Tensile Strength $\geq 485\text{Mpa}$	Elongation $\geq 35\%$
				≤ 0.08	≤ 1.50	≤ 2.00	≤ 0.04	≤ 0.04	18-21	8-11	≤ 0.50			
Swing Check Valve 200PSI BSPT	1"	M20603	100	0.059	0.99	1.04	0.036	0.02	18.31	8.18	0.1	241	536	41

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: Youcheng Xu

ZHEJIANG ANIX VALVE TECHNOLOGY CO.,LTD

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

Mill Test Certificate

Report No.:AN-2101006

Date:4th Jan 2021

TO:Unimech Engineering (M) Sdn Bhd

Order No.:AN-M-2021-0104

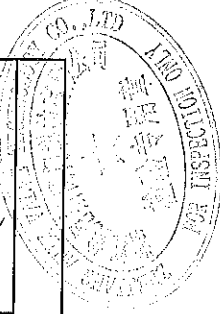
1、 Chemical And Tensile Requirements

Description	Material: ASTM A351 CF8	Size	Heat NO.	QTY (PCS)	Chemical Composition %										Tension Test							
					C	Mn	Si	P	S	Cr	Ni	Mo	Yield Strength ≥205Mpa	Tensile Strength ≥485Mpa	Elongation ≥35%							
Swing Check Valve 200PSI BSPT		1/2"	M01112	100	≤0.08	≤1.50	≤2.00	≤0.04	≤0.04	18-21	8-11	0.16	0.027	0.024	0.039	0.03	18.22	8.14	0.1	243	552	43
		1"	M01113	300	0.053	0.95	0.84	0.027	0.024	0.039	0.03	18.24	8.13	0.16	222	530	52					

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: Youcheng Xu

ZHEJIANG ANIX VALVE TECHNOLOGY CO.,LTD

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

Mill Test Certificate

Report No.: AN-2010003

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 CF8	Heat NO.	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 $\geq 35\%$		
Swing Check Valve 200PSI BSPT	Size			≤ 0.08	≤ 1.50	≤ 2.00	≤ 0.04	≤ 0.04	≤ 0.04	18-21	8-11	≤ 0.50				
	3/4"	M00803	100	0.061	1.16	1.25	0.039	0.016	18.34	8.11	0.13	248	549	41		
	1"	M00803	100	0.061	1.16	1.25	0.039	0.016	18.34	8.11	0.13	248	549	41		
	2"	M00804	200	0.046	1.2	0.9	0.038	0.023	18.25	8.1	0.22	232	522	46		

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: Youcheng Xu