MANUFACTURED BY ANHUI NICO VALVES CORP.

BRAND : WARREN VALVE L.P.

14923 Fairway Pines Dr. Missouri City , Texas 77489 (713) 672-9416

Mill Test Certificate

EN 10204 Type 3.1

We hereby certify that the above material described has been made and inspected in accordance with the specification and requirements called for by the above order.

Page No. : 1 **of** 5 **Certificate No. :** PO79523-4-1156WA-10

Order No. : PO79523 **Material:** ASTM A351-CF8M **Date :** 07-Nov-24

Fig NO.: 1156WA-10 **Part NO.:** 4V1156WA-10RHT **Country of Origin:** China

Product Name: 4" 150# CF8M/TR 10 BB OS&Y GATE RF PTFE 1156WA

Valve Specifications

Shell Wall Thinkness	ASME B16.34	Face to Face & End to End	ASME B16.10	End Connections	ASME B16.5

Parts Material Type

Body	Bonnet	Wedge / Disc	Stem / Pin	Seat	Gasket	Packing	Bolt & Nut	Trim No.
ASTM A351 CF8M	ASTM A351 CF8M	ASTM A351 CF8M	ASTM A276 316	Integral	PTFE	PTFE	A193-B8, A194-8	10

Test Parameters

Size	4"	Q'ty (pcs)	179	Test Type	Pressure (psig)	Duration (sec)	Test Type	Pressure (psig)	Duration (sec)	Test Result
				H/P Shell-Liq	425	60	L/P Closure-Gas	80	60	Passed
				H/P Backseat(s)-Liq	303	60	H/P Shell-Gas	—	—	
				H/P Closure-Liq	303	60				

Heat No	Chemical Components (%)													Mechanical Properties										
	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	V	N	Nb	CE	Yie (0.2%) Mpa	Ten Mpa	Elo %	Ra %	HD (HBW)	IMPACT TEST V-NOTCH XX ^{0}C(J)					
	≤0.08	≤1.5	≤1.5	≤0.04	≤0.04	9.0-12.0	18.0-21.0	2.0-3.0	—	—	—	—	—	≥205	≥485	≥30	—	≤237	Min. xxx		xxx		Aev. xxx	Temp. (^{0}F)
Body																								
G3828	0.048	0.70	1.22	0.032	0.007	9.37	18.23	2.11	---	---	---	---	---	272	582	72	---	170						
S1267	0.053	0.83	1.19	0.032	0.007	9.40	18.50	2.20	---	---	---	---	---	235	555	50	---	153						
S1861	0.045	0.67	1.15	0.029	0.002	9.30	18.40	2.10	---	---	---	---	---	250	550	54	---	159						
S1866	0.048	0.78	1.16	0.030	0.002	9.20	18.40	2.10	---	---	---	---	---	265	530	58	---	156						
S1869	0.046	0.78	1.19	0.029	0.002	9.20	18.40	2.10	---	---	---	---	---	260	545	58	---	150						
S1870	0.048	0.81	1.22	0.029	0.002	9.20	18.30	2.10	---	---	---	---	---	260	550	50	---	149						
S1871	0.041	0.79	1.20	0.030	0.002	9.20	18.30	2.10	---	---	---	---	---	245	540	58	---	157						
Bonnet																								
CVH17	0.025	0.58	1.04	0.027	0.006	9.61	18.90	2.22	---	---	---	---	---	245	546	42	---	168						
S1262	0.048	0.63	1.12	0.030	0.003	9.20	18.40	2.10	---	---	---	---	---	245	560	52	---	152						
S1856	0.053	0.67	1.14	0.033	0.005	9.20	18.30	2.20	---	---	---	---	---	270	555	56	---	155						
S1858	0.049	0.71	1.24	0.029	0.004	9.20	18.50	2.20	---	---	---	---	---	290	545	55	---	155						
S1861	0.045	0.67	1.15	0.029	0.002	9.30	18.40	2.10	---	---	---	---	---	250	550	54	---	159						
S1866	0.048	0.78	1.16	0.030	0.002	9.20	18.40	2.10	---	---	---	---	---	265	530	58	---	156						
S1869	0.046	0.78	1.19	0.029	0.002	9.20	18.40	2.10	---	---	---	---	---	260	545	58	---	150						
Wedge / Disc																								
CUD2E	0.045	0.62	1.17	0.013	0.014	9.70	18.59	2.28	---	---	---	---	---	238	546	40	---	166						
T49J0	0.019	0.50	0.98	0.029	0.002	9.66	18.74	2.25	---	---	---	---	---	246	540	43	---	162						
T49J1	0.022	0.50	0.95	0.030	0.002	9.57	18.60	2.27	---	---	---	---	---	243	548	45	---	160						
T49J2	0.02	0.50	1.04	0.028	0.002	9.45	18.62	2.26	---	---	---	---	---	237	541	43	---	158						
T49J3	0.021	0.46	0.94	0.030	0.002	9.58	18.42	2.28	---	---	---	---	---	240	540	46	---	162						
T49J5	0.024	0.49	0.79	0.025	0.002	9.38	18.60	2.23	---	---	---	---	---	237	548	43	---	158						
T49J6	0.021	0.51	0.93	0.028	0.002	9.55	18.77	2.33	---	---	---	---	---	246	546	45	---	160						
T49J7	0.019	0.48	0.89	0.029	0.002	9.45	18.64	2.27	---	---	---	---	---	245	537	44	---	163						
T49J8	0.018	0.46	0.99	0.029	0.002	9.41	18.50	2.28	---	---	---	---	---	244	541	41	---	161						
T49J9	0.019	0.45	1.03	0.027	0.002	9.47	18.36	2.32	---	---	---	---	---	240	546	43	---	164						
T49JA	0.017	0.46	1.06	0.031	0.002	9.62	18.50	2.32	---	---	---	---	---	241	542	40	---	162						
T49JB	0.018	0.51	0.94	0.029	0.001	9.56	18.61	2.34	---	---	---	---	---	243	536	41	---	163						
T49JC	0.033	0.49	1.00	0.027	0.003	9.67	18.34	2.24	---	---	---	---	---	245	537	42	---	160						
T49JD	0.033	0.60	1.02	0.027	0.004	9.41	18.46	2.24	---	---	---	---	---	240	545	45	---	158						
T49JE	0.028	0.49	1.03	0.029	0.004	9.44	18.38	2.28	---	---	---	---	---	244	547	42	---	164						
T49JF	0.03	0.50	1.04	0.030	0.005	9.30	18.63	2.25	---	---	---	---	---	247	536	40	---	161						
T49K0	0.031	0.50	1.02	0.028	0.004	9.26	18.63	2.30	---	---	---	---	---	238	544	41	---	158						
T49K1	0.032	0.51	0.99	0.027	0.004	9.40	18.52	2.27	---	---	---	---	---	246	539	43	---	164						
T49K2	0.033	0.50	0.98	0.028	0.004	9.34	18.66	2.26	---	---	---	---	---	241	541	40	---	162						
T49K3	0.032	0.48	0.97	0.026	0.004	9.51	18.52	2.21	---	---	---	---	---	247	545	44	---	161						

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Mill Test Certificate

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We hereby certify that the above material described has been made and inspected in accordance with the specification and requirements called for by the above order.

Page No. : 2 **of** 5 **Certificate No. :** PO79523-4-1156WA-10

Order No. : PO79523 **Material:** ASTM A351-CF8M **Date :** 07-Nov-24

Fig NO.: 1156WA-10 **Part NO.:** 4V1156WA-10RHT **Country of Origin:** China

Product Name: 4" 150# CF8M/TR 10 BB OS&Y GATE RF PTFE 1156WA

Valve Specifications

Shell Wall Thinkness	ASME B16.34	Face to Face & End to End	ASME B16.10	End Connections	ASME B16.5

Parts Material Type

Body	Bonnet	Wedge / Disc	Stem / Pin	Seat	Gasket	Packing	Bolt & Nut	Trim No.
ASTM A351 CF8M	ASTM A351 CF8M	ASTM A351 CF8M	ASTM A276 316	Integral	PTFE	PTFE	A193-B8, A194-8	10

Test Parameters

Size	4"	Q'ty (pcs)	179	Test Type	Pressure (psig)	Duration (sec)	Test Type	Pressure (psig)	Duration (sec)	Test Result
				H/P Shell-Liq	425	60	L/P Closure-Gas	80	60	Passed
				H/P Backseat(s)-Liq	303	60	H/P Shell-Gas	—	—	
				H/P Closure-Liq	303	60				

Heat No	Chemical Components (%)													Mechanical Properties										
	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	V	N	Nb	CE	Yie (0.2%) Mpa	Ten Mpa	Elo %	Ra %	HD (HBW)	IMPACT TEST V-NOTCH XX ^{0}C(J)					
	≤0.08	*≤1.5*	*≤1.5*	*≤0.04*	*≤0.04*	*9.0-12.0*	*18.0-21.0*	*2.0-3.0*	—	—	—	—	—	*≥205*	*≥485*	*≥30*	—	≤237	*Min. xxx*		*xxx*		*Aev. xxx*	Temp. (^{0}F)
Wedge / Disc																								
T49K4	0.033	0.50	0.98	0.027	0.004	9.38	18.52	2.23	---	---	---	---	---	240	540	45	---	159						
T49K5	0.032	0.54	0.94	0.023	0.003	9.43	18.52	2.24	---	---	---	---	---	243	542	41	---	160						
T49K6	0.03	0.50	1.00	0.030	0.005	9.33	18.66	2.28	---	---	---	---	---	245	546	42	---	161						
T49K7	0.035	0.53	0.90	0.028	0.005	9.42	18.49	2.51	---	---	---	---	---	240	542	44	---	163						
T49K8	0.029	0.46	1.09	0.026	0.001	9.54	18.80	2.25	---	---	---	---	---	243	543	40	---	160						
T49K9	0.029	0.47	1.03	0.026	0.001	9.58	18.76	2.27	---	---	---	---	---	239	544	43	---	162						
T49KA	0.028	0.45	1.06	0.026	0.001	9.61	18.54	2.23	---	---	---	---	---	246	538	41	---	158						
T49KB	0.029	0.45	1.09	0.025	0.001	9.67	18.77	2.19	---	---	---	---	---	240	540	40	---	159						
T49KC	0.03	0.54	1.11	0.025	0.001	9.61	18.54	2.34	---	---	---	---	---	245	544	42	---	160						
T49KD	0.031	0.50	1.02	0.026	0.003	9.37	18.44	2.57	---	---	---	---	---	242	538	45	---	161						
T49KE	0.035	0.49	1.04	0.029	0.002	9.45	18.48	2.49	---	---	---	---	---	243	546	43	---	162						
T49KF	0.026	0.51	0.93	0.028	0.006	9.35	18.75	2.33	---	---	---	---	---	239	544	42	---	161						
T49L0	0.028	0.52	0.96	0.028	0.006	9.31	18.67	2.32	---	---	---	---	---	241	542	40	---	159						
T49L1	0.029	0.52	1.00	0.026	0.005	9.33	18.69	2.33	---	---	---	---	---	237	545	44	---	158						
T49L2	0.026	0.50	0.97	0.029	0.006	9.59	18.55	2.30	---	---	---	---	---	243	541	43	---	163						
T49L3	0.024	0.53	1.01	0.026	0.004	9.38	18.69	2.31	---	---	---	---	---	238	542	41	---	160						
T49L4	0.026	0.53	1.01	0.026	0.004	9.41	18.82	2.32	---	---	---	---	---	239	543	45	---	162						
T49L5	0.026	0.54	0.97	0.025	0.004	9.42	18.81	2.28	---	---	---	---	---	241	537	40	---	160						
T49L6	0.025	0.53	0.99	0.026	0.004	9.48	18.64	2.28	---	---	---	---	---	245	543	43	---	158						
T49L7	0.029	0.54	0.93	0.026	0.003	9.56	18.72	2.34	---	---	---	---	---	247	542	45	---	161						

Heat No	Chemical Components (%)													Mechanical Properties										
	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	V	N	Nb	CE	Yie (0.2%) Mpa	Ten Mpa	Elo %	Ra %	HD (HBW)	IMPACT TEST V-NOTCH XX ^{0}C(J)					
	≤0.08	*≤1.0*	*≤2.0*	*≤0.045*	*≤0.030*	*10.0-14.0*	*16.0-18.0*	*2.0-3.0*	—	—	—	—	—	*≥205*	*≥515*	*≥30*	*≥50*	≤237	*Min. xxx*		*xxx*		*Aev. xxx*	Temp. (^{0}F)
Stem																								
11H115	0.022	0.40	0.90	0.036	0.002	10.15	16.32	2.15	---	---	---	---	---	250	561	60	60	172						
11Z148	0.022	0.40	0.90	0.037	0.002	10.15	16.31	2.10	---	---	---	---	---	292	562	51	61	171						
11Z698	0.022	0.40	0.90	0.037	0.005	10.15	16.31	2.10	---	---	---	---	---	292	562	51	61	171						

Remark:

We hereby certify that the above results are in accordance with the followings.

◎NACE MR-0103 / MR-0175 (if applicable)

◎Valve Pressure Tested in accordance with API 598

◎Fugitive Emissions in accordance with API 624 (if applicable)

◎All material supplied is certified to be free of Mercury contamination and no mercury bearing equipment was used during manufacturing

◎Where the edition of listed specifications is unspecified, the edition and all addenda is based on the current certification at the time of manufacturing.

Q. A. Inspector

Reviewed By: Yujie

Witnessed By:

MANUFACTURED BY ANHUI NICO VALVES CORP.

BRAND : WARREN VALVE L.P.

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Mill Test Certificate

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We hereby certify that the above material described has been made and inspected in accordance with the specification and requirements called for by the above order.

Page No. : 3 **of** 5 **Certificate No. :** PO79523-4-1156WA-10

Order No. : PO79523 **Material:** ASTM A351-CF8M **Date :** 07-Nov-24

Fig NO.: 1156WA-10 **Part NO.:** 4V1156WA-10RHT **Country of Origin:** China

Product Name: 4" 150# CF8M/TR 10 BB OS&Y GATE RF PTFE 1156WA

Valve Specifications

Shell Wall Thinkness	ASME B16.34	**Face to Face & End to End**	ASME B16.10	**End Connections**	ASME B16.5

Parts Material Type

Body	**Bonnet**	**Wedge / Disc**	**Stem / Pin**	**Seat**	**Gasket**	**Packing**	**Bolt & Nut**	**Trim No.**
ASTM A351 CF8M	ASTM A351 CF8M	ASTM A351 CF8M	ASTM A276 316	Integral	PTFE	PTFE	A193-B8, A194-8	10

Test Parameters

Size	4"	**Q'ty (pcs)**	179	**Test Type**	**Pressure (psig)**	**Duration (sec)**	**Test Type**	**Pressure (psig)**	**Duration (sec)**	**Test Result**
				H/P Shell-Liq	425	60	L/P Closure-Gas	80	60	Passed
				H/P Backseat(s)-Liq	303	60	H/P Shell-Gas	—	—	
				H/P Closure-Liq	303	60				

Traceability Sheet

Serial Number	**Body**	**Bonnet**	**Wedge / Disc**	**Stem**			
NC79523-0001	**S1871**	**S1858**	**T49L0**	**11H115**			
NC79523-0002	**S1871**	**S1858**	**T49J3**	**11H115**			
NC79523-0003	**S1871**	**S1866**	**T49JE**	**11H115**			
NC79523-0004	**S1871**	**S1869**	**T49KA**	**11H115**			
NC79523-0005	**S1871**	**S1866**	**T49J0**	**11H115**			
NC79523-0006	**S1871**	**S1866**	**T49JB**	**11H115**			
NC79523-0007	**S1871**	**S1869**	**T49JA**	**11H115**			
NC79523-0008	**S1871**	**S1869**	**T49KF**	**11H115**			
NC79523-0009	**S1871**	**S1866**	**T49J8**	**11H115**			
NC79523-0010	**S1871**	**S1866**	**T49L1**	**11H115**			
NC79523-0011	**S1871**	**S1869**	**T49L3**	**11H115**			
NC79523-0012	**S1871**	**S1869**	**T49L6**	**11H115**			
NC79523-0013	**S1871**	**S1869**	**T49K2**	**11H115**			
NC79523-0014	**S1871**	**S1869**	**T49K8**	**11H115**			
NC79523-0015	**S1871**	**S1869**	**T49K1**	**11H115**			
NC79523-0016	**S1871**	**S1869**	**T49L4**	**11H115**			
NC79523-0017	**S1871**	**S1869**	**T49J7**	**11H115**			
NC79523-0018	**S1871**	**S1869**	**T49K4**	**11H115**			
NC79523-0019	**S1871**	**S1869**	**T49L1**	**11H115**			
NC79523-0020	**S1871**	**S1869**	**T49K4**	**11H115**			
NC79523-0021	**G3828**	**S1858**	**CUD2E**	**11H115**			
NC79523-0022	**S1871**	**S1869**	**T49L3**	**11H115**			
NC79523-0023	**S1871**	**S1869**	**T49L6**	**11H115**			
NC79523-0024	**S1871**	**S1858**	**T49K6**	**11H115**			
NC79523-0025	**S1871**	**S1869**	**T49J2**	**11H115**			
NC79523-0026	**S1871**	**S1869**	**T49L7**	**11H115**			
NC79523-0027	**S1871**	**S1869**	**T49JA**	**11H115**			
NC79523-0028	**S1871**	**S1869**	**T49KD**	**11H115**			
NC79523-0029	**S1871**	**S1869**	**T49K5**	**11H115**			
NC79523-0030	**S1869**	**S1869**	**T49JF**	**11H115**			
NC79523-0031	**S1871**	**S1869**	**T49L4**	**11H115**			
NC79523-0032	**S1871**	**S1869**	**T49J8**	**11H115**			
NC79523-0033	**S1871**	**S1866**	**T49KF**	**11H115**			
NC79523-0034	**S1871**	**S1866**	**T49K7**	**11H115**			
NC79523-0035	**S1871**	**S1869**	**T49K0**	**11H115**			
NC79523-0036	**S1871**	**S1866**	**T49K3**	**11H115**			
NC79523-0037	**S1871**	**S1869**	**T49L4**	**11H115**			
NC79523-0038	**S1871**	**S1866**	**T49L5**	**11H115**			
NC79523-0039	**S1871**	**S1866**	**T49K0**	**11H115**			
NC79523-0040	**S1871**	**S1866**	**T49L1**	**11H115**			
NC79523-0041	**S1871**	**S1869**	**T49K3**	**11H115**			
NC79523-0042	**S1871**	**S1869**	**T49K0**	**11H115**			
NC79523-0043	**S1870**	**S1866**	**T49K0**	**11H115**			
NC79523-0044	**S1869**	**S1866**	**T49J8**	**11H115**			
NC79523-0045	**S1871**	**S1869**	**T49JC**	**11H115**			
NC79523-0046	**S1871**	**S1869**	**T49JC**	**11H115**			
NC79523-0047	**S1871**	**S1869**	**T49J0**	**11H115**			
NC79523-0048	**S1871**	**S1869**	**T49JA**	**11H115**			
NC79523-0049	**S1871**	**S1869**	**T49J0**	**11H115**			
NC79523-0050	**S1871**	**S1866**	**T49KB**	**11H115**			
NC79523-0051	**S1871**	**S1866**	**T49K4**	**11H115**			
NC79523-0052	**S1871**	**S1869**	**T49JB**	**11H115**			
NC79523-0053	**S1871**	**S1866**	**T49K9**	**11H115**			
NC79523-0054	**S1871**	**S1866**	**T49JD**	**11H115**			
NC79523-0055	**S1871**	**S1869**	**T49J7**	**11H115**			
NC79523-0056	**S1861**	**S1869**	**T49J7**	**11H115**			
NC79523-0057	**S1871**	**S1866**	**T49JF**	**11H115**			
NC79523-0058	**S1870**	**S1866**	**T49J0**	**11H115**			
NC79523-0059	**S1871**	**S1869**	**T49K5**	**11H115**			
NC79523-0060	**S1871**	**S1866**	**T49L5**	**11H115**			
NC79523-0061	**S1871**	**S1866**	**T49L0**	**11H115**			
NC79523-0062	**S1871**	**S1866**	**T49JB**	**11H115**			
NC79523-0063	**S1871**	**CVH17**	**T49JD**	**11H115**			

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Certificate No. :	PO79523-4-1156WA-10				
Order No. :	PO79523	**Material:**	ASTM A351-CF8M	**Date :**	07-Nov-24
Fig NO.:	1156WA-10	**Part NO.:**	4V1156WA-10RHT	**Country of Origin:**	China

Product Name: 4" 150# CF8M/TR 10 BB OS&Y GATE RF PTFE 1156WA

Valve Specifications

Shell Wall Thinkness	ASME B16.34	**Face to Face & End to End**	ASME B16.10	**End Connections**	ASME B16.5

Parts Material Type

Body	Bonnet	Wedge / Disc	Stem / Pin	Seat	Gasket	Packing	Bolt & Nut	Trim No.
ASTM A351 CF8M	ASTM A351 CF8M	ASTM A351 CF8M	ASTM A276 316	Integral	PTFE	PTFE	A193-B8, A194-8	10

Test Parameters

Size	4"	Q'ty (pcs)	179	Test Type	Pressure (psig)	Duration (sec)	Test Type	Pressure (psig)	Duration (sec)	Test Result
				H/P Shell-Liq	425	60	L/P Closure-Gas	80	60	Passed
				H/P Backseat(s)-Liq	303	60	H/P Shell-Gas	—	—	
				H/P Closure-Liq	303	60				

Traceability Sheet

Serial Number	Body	Bonnet	Wedge / Disc	Stem			
NC79523-0064	S1870	S1869	T49KE	11H115			
NC79523-0065	S1870	S1866	T49JE	11H115			
NC79523-0066	S1871	S1869	T49J3	11H115			
NC79523-0067	S1871	S1866	T49L0	11H115			
NC79523-0068	S1871	S1866	T49L0	11H115			
NC79523-0069	S1871	CVH17	T49L5	11H115			
NC79523-0070	S1870	S1866	T49K2	11H115			
NC79523-0071	S1871	S1869	T49K0	11H115			
NC79523-0072	S1870	S1866	T49K5	11H115			
NC79523-0073	S1870	S1866	T49J2	11H115			
NC79523-0074	S1871	CVH17	T49L4	11H115			
NC79523-0075	S1871	CVH17	T49J9	11H115			
NC79523-0076	S1871	S1866	T49J5	11H115			
NC79523-0077	S1871	CVH17	T49J0	11H115			
NC79523-0078	S1871	S1262	T49J8	11H115			
NC79523-0079	S1866	CVH17	T49K2	11H115			
NC79523-0080	S1870	CVH17	T49JC	11H115			
NC79523-0081	S1861	S1869	T49K6	11H115			
NC79523-0082	G3828	S1866	CUD2E	11H115			
NC79523-0083	S1861	S1866	T49KA	11H115			
NC79523-0084	S1870	S1869	T49L5	11H115			
NC79523-0085	S1861	S1869	T49L4	11H115			
NC79523-0086	S1871	S1869	T49K8	11H115			
NC79523-0087	S1871	S1869	T49K9	11H115			
NC79523-0088	S1871	S1869	T49KB	11H115			
NC79523-0089	S1871	S1869	T49J2	11H115			
NC79523-0090	S1861	S1869	T49KC	11H115			
NC79523-0091	S1861	S1869	T49KE	11H115			
NC79523-0092	S1267	S1869	T49L6	11H115			
NC79523-0093	S1861	S1869	T49J5	11H115			
NC79523-0094	S1861	S1869	T49J5	11H115			
NC79523-0095	S1861	S1869	T49L1	11H115			
NC79523-0096	S1861	S1869	T49J0	11H115			
NC79523-0097	S1871	S1869	T49KA	11H115			
NC79523-0098	S1871	S1866	T49KE	11H115			
NC79523-0099	S1871	S1866	T49KE	11H115			
NC79523-0100	S1871	S1869	T49JB	11H115			
NC79523-0101	S1861	S1861	T49J0	11H115			
NC79523-0102	S1871	S1866	T49JA	11H115			
NC79523-0103	S1871	S1869	T49L0	11H115			
NC79523-0104	S1871	S1869	T49KB	11H115			
NC79523-0105	G3828	S1869	CUD2E	11H115			
NC79523-0106	G3828	S1866	CUD2E	11H115			
NC79523-0107	S1871	S1866	T49K4	11H115			
NC79523-0108	G3828	S1869	CUD2E	11H115			
NC79523-0109	S1871	S1869	T49KA	11H115			
NC79523-0110	S1871	S1869	T49KB	11H115			
NC79523-0111	G3828	S1869	CUD2E	11H115			
NC79523-0112	S1871	S1866	T49K2	11H115			
NC79523-0113	S1870	S1869	T49L3	11H115			
NC79523-0114	S1871	S1869	T49JD	11H115			
NC79523-0115	S1861	S1869	T49L3	11H115			
NC79523-0116	G3828	S1866	CUD2E	11H115			
NC79523-0117	S1861	S1869	T49L3	11H115			
NC79523-0118	S1861	S1869	T49L7	11H115			
NC79523-0119	G3828	S1869	CUD2E	11H115			
NC79523-0120	S1871	S1869	T49KC	11H115			
NC79523-0121	S1861	S1869	T49J1	11H115			
NC79523-0122	S1861	S1869	T49J8	11H115			
NC79523-0123	S1871	S1869	T49L6	11H115			
NC79523-0124	S1871	S1869	T49J2	11H115			
NC79523-0125	G3828	S1869	CUD2E	11H115			
NC79523-0126	S1861	S1869	T49K4	11H115			

MANUFACTURED BY ANHUI NICO VALVES CORP.

BRAND : WARREN VALVE L.P.

14923 Fairway Pines Dr. Missouri City , Texas 77489 (713) 672-9416

Mill Test Certificate

EN 10204 Type 3.1

We hereby certify that the above material described has been made and inspected in accordance with the specification and requirements called for by the above order.

Page No. :	**5 of 5**			**Certificate No. :**	PO79523-4-1156WA-10
Order No. :	PO79523	**Material:**	ASTM A351-CF8M	**Date :**	07-Nov-24
Fig NO.:	1156WA-10	**Part NO.:**	4V1156WA-10RHT	**Country of Origin:**	China

Product Name: 4" 150# CF8M/TR 10 BB OS&Y GATE RF PTFE 1156WA

Valve Specifications

Shell Wall Thinkness	ASME B16.34	**Face to Face & End to End**	ASME B16.10	**End Connections**	ASME B16.5

Parts Material Type

Body	Bonnet	Wedge / Disc	Stem / Pin	Seat	Gasket	Packing	Bolt & Nut	Trim No.
ASTM A351 CF8M	ASTM A351 CF8M	ASTM A351 CF8M	ASTM A276 316	Integral	PTFE	PTFE	A193-B8, A194-8	10

Test Parameters

Size	4"	Q'ty (pcs)	179	Test Type	Pressure (psig)	Duration (sec)	Test Type	Pressure (psig)	Duration (sec)	Test Result
				H/P Shell-Liq	425	60	L/P Closure-Gas	80	60	Passed
				H/P Backseat(s)-Liq	303	60	H/P Shell-Gas	—	—	
				H/P Closure-Liq	303	60				

Traceability Sheet

Serial Number	Body	Bonnet	Wedge / Disc	Stem			
NC79523-0127	S1871	S1866	T49KF	11H115			
NC79523-0128	S1871	S1869	T49K8	11H115			
NC79523-0129	S1861	S1858	T49KF	11H115			
NC79523-0130	S1861	S1869	T49K5	11H115			
NC79523-0131	S1871	S1866	T49KE	11H115			
NC79523-0132	S1861	S1866	T49L3	11H115			
NC79523-0133	S1871	S1866	T49KD	11H115			
NC79523-0134	S1870	S1866	T49L1	11H115			
NC79523-0135	S1871	S1869	T49K1	11H115			
NC79523-0136	S1871	S1869	T49KD	11H115			
NC79523-0137	S1871	S1869	T49K2	11H115			
NC79523-0138	S1866	S1866	T49L7	11H115			
NC79523-0139	S1871	S1869	T49J2	11H115			
NC79523-0140	S1866	S1869	T49J6	11H115			
NC79523-0141	S1866	S1858	T49J8	11H115			
NC79523-0142	S1861	S1869	T49J8	11H115			
NC79523-0143	S1871	S1866	T49JE	11H115			
NC79523-0144	S1871	S1866	T49KC	11H115			
NC79523-0145	S1861	S1866	T49JB	11H115			
NC79523-0146	S1871	S1869	T49JC	11H115			
NC79523-0147	S1866	S1866	T49JB	11H115			
NC79523-0148	S1861	S1858	T49JF	11H115			
NC79523-0149	S1861	S1869	T49KD	11H115			
NC79523-0150	S1871	S1866	T49K8	11H115			
NC79523-0151	S1871	S1869	T49K4	11H115			
NC79523-0152	S1871	S1869	T49KE	11H115			
NC79523-0153	S1866	S1866	T49K0	11Z148			
NC79523-0154	S1866	S1869	T49L4	11Z148			
NC79523-0155	S1866	S1869	T49L5	11Z148			
NC79523-0156	S1866	S1869	T49J1	11Z148			
NC79523-0157	S1866	S1869	T49L3	11Z148			
NC79523-0158	S1866	S1866	T49J0	11Z148			
NC79523-0159	S1866	S1866	T49JE	11Z148			
NC79523-0160	S1866	S1869	T49L3	11Z148			
NC79523-0161	S1866	S1858	T49L2	11Z148			
NC79523-0162	S1866	S1856	T49L6	11Z148			
NC79523-0163	S1866	S1866	T49L0	11Z148			
NC79523-0164	S1866	S1869	T49JD	11Z148			
NC79523-0165	S1866	S1869	T49KE	11Z148			
NC79523-0166	S1866	S1869	T49K1	11Z148			
NC79523-0167	S1869	S1866	T49K9	11Z698			
NC79523-0168	S1866	S1869	T49J7	11Z148			
NC79523-0169	S1866	S1866	T49J6	11Z148			
NC79523-0170	S1866	S1869	T49J9	11Z148			
NC79523-0171	S1866	S1869	T49KE	11Z148			
NC79523-0172	S1866	S1869	T49KF	11Z148			
NC79523-0173	S1866	S1866	T49K1	11Z148			
NC79523-0174	S1866	S1866	T49L0	11Z148			
NC79523-0175	S1866	S1869	T49L4	11Z148			
NC79523-0176	S1869	S1866	T49KD	11Z148			
NC79523-0177	S1866	S1866	T49K2	11Z148			
NC79523-0178	S1866	S1858	T49JD	11Z148			
NC79523-0179	S1869	S1866	T49L0	11Z148			

Remark:

We hereby certify that the above results are in accordance with the followings.

◎NACE MR-0103 / MR-0175 (if applicable)

◎Valve Pressure Tested in accordance with API 598

◎Fugitive Emissions in accordance with API 624 (if applicable)

◎All material supplied is certified to be free of Mercury contamination and no mercury bearing equipment was used during manufacturing

◎Where the edition of listed specifications is unspecified, the edition and all addenda is based on the current certification at the time of manufacturing.

Q. A. Inspector

Reviewed By: YuJijie

Witnessed By: