



AMS VALVES
5001 Spring Valley Road, Suite 400 East, Dallas, TX 75244, United States.

PHONE : (903) 912-7717
FAX : (972) 8507757
WEB : amsvalves.com

MATERIAL TEST CERTIFICATE (EN: 10204 3.1)

CUSTOMER : AL ZERWA TRADING CO LLC.
CERTIFICATE NO : 03624RTPA
DATE OF CERTIFICATE : 6th July 2024

SIZE : 1" (25MM)
PRESSURE : 300#
ENDS : FLANGED
QUANTITY : 20NOS

VALVE TYPE : BALL VALVE
PROJECT : 03624RTPA
VALVE ID : AMS 2406 1011

HYDRO TEST DATA		SHELL TEST (Water)			H.P Pressure Seat (Water)			L.P Press Test (AIR)		BACK SEAT*		TEST STD				VISUAL INSPECTION				SPECIAL TESTS						
PRESSURE(Mpa)		7.5			5.5			0.7		/		API 598				MSS SP25/55				Anti-static : Passed Cavity Relief : Passed Painting : / / / / /						
DURATION(Min)		60sec			60sec			60sec		/						ACCEPTED										
DESIGN PARAMETERS		FACE TO FACE			END CONNECTION			DESIGN STANDARD				FIRE SAFE DESIGN				SOUR SPEC										
STANDARDS		ASME B16.10			ASME B16.5			ASME B16.34				/				NACE MR-01-75										
RESULT		Within Tolerance			Within Tolerance			Within Tolerance				/				Complied										
PARTS		BODY ADAPTOR			BALL/PLUG/DISC			STEM/HINGE		OPERATOR		SEAT RING				SOFT SEAT				SPRING			GASKET		PACKING	
MATERIAL GRADE		CF3M			316L			316		SS201		PTFE				PTFE				/			PTFE		PTFE	
COATING																										
DESCRIPTION		CHEMICAL ANALYSIS														MECHANICAL ANALYSIS						IMPACT TEST				
PART	HEAT NO	C	Mn	P	S	Si	Cr	Mo	Ni	Cu	V	Nb	Al	Oth	Oth	T.S.	Y.P	EL	RA	BH	J					
		≤ 0.03	≤ 2.00	≤ 0.045	≤ 0.030	≤ 1.00	16.0 18.0	2.00 3.00	10.0 14.0	-	-	-	-	-	-	≥ 485 Mpa	≥ 205h	≥ 30%	-	-	(-Deg C)					
BODY	AMS20240513	0.074	1.3	0.037	0.029	1.27	18.15	2.18	9.15	-	-	-	-	-	-	490	215	30	-	185	-	-	-	-		
BALL	-	0.047	0.81	0.019	0.007	0.76	18.25	2.23	9.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
STEM	-	≤ 0.08	≤ 2.00	≤ 0.045	≤ 0.030	≤ 1.00	16.0 18.0	2.00 3.00	10.0 14.0	-	-	-	-	-	-	≥ 515 Mpa	-	-	-	-	-	-	-	-		
	-	0.049	0.92	0.027	0.013	0.65	16.54	2.16	10.31	-	-	-	-	-	-	526	-	-	-	-	-	-	-	-		

Notes: *Hydrostatic Medium Is Water,** Seat Test Is Conducted On Both Sides For Bi-directional Valves.

We here by confirm that the valves referred in this certificate is confirmed to meet the referred data and approved for release to customer.

Check Witnessed Quality Manager

Other Stamp & Sign



Company Stamp



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MATERIAL TEST CERTIFICATE (EN: 10204 3.1)**CUSTOMER :** AL ZERWA TRADING CO LLC.**CERTIFICATE NO :** 03624RTPA**DATE OF CERTIFICATE :** 6th July 2024**SIZE :** 1" (25MM)**PRESSURE :** 300#**ENDS :** FLANGED**QUANTITY :** 20NOS**VALVE TYPE :** BALL VALVE**PROJECT :** 03624RTPA**VALVE ID :** AMS 2406 1012

HYDRO TEST DATA		SHELL TEST (Water)			H.P Pressure Seat (Water)			L.P Press Test (AIR)		BACK SEAT*		TEST STD			VISUAL INSPECTION			SPECIAL TESTS						
PRESSURE(Mpa)		7.5			5.5			0.7		/		API 598			MSS SP25/55			Anti-static : Passed Cavity Relief : Passed Painting : / / / / /						
DURATION(Min)		60sec			60sec			60sec		/					ACCEPTED									
DESIGN PARAMETERS		FACE TO FACE			END CONNECTION			DESIGN STANDARD			FIRE SAFE DESIGN			SOUR SPEC										
STANDARDS		ASME B16.10			ASME B16.5			ASME B16.34			/			NACE MR-01-75										
RESULT		Within Tolerance			Within Tolerance			Within Tolerance			/			Complied										
PARTS		BODY ADAPTOR			BALL/PLUG/DISC			STEM/HINGE		OPERATOR		SEAT RING			SOFT SEAT			SPRING		GASKET		PACKING		
MATERIAL GRADE		CF3M			316L			316		SS201		PTFE			PTFE			/		PTFE		PTFE		
COATING																								
DESCRIPTION		CHEMICAL ANALYSIS														MECHANICAL ANALYSIS					IMPACT TEST			
PART	HEAT NO	C	Mn	P	S	Si	Cr	Mo	Ni	Cu	V	Nb	Al	Oth	Oth	T.S.	Y.P	EL	RA	BH	J			
		≤ 0.03	≤ 2.00	≤ 0.045	≤ 0.030	≤ 1.00	16.0 18.0	2.00 3.00	10.0 14.0	-	-	-	-	-	-	≥ 485 Mpa	≥ 205h	≥ 30%	-	-	(-Deg C)			
BODY	AMS20240513	0.074	1.3	0.037	0.029	1.27	18.15	2.18	9.15	-	-	-	-	-	-	490	215	30	-	185	-	-	-	-
BALL	-	0.047	0.81	0.019	0.007	0.76	18.25	2.23	9.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STEM	-	≤ 0.08	≤ 2.00	≤ 0.045	≤ 0.030	≤ 1.00	16.0 18.0	2.00 3.00	10.0 14.0	-	-	-	-	-	-	≥ 515 Mpa	-	-	-	-	-	-	-	-
	-	0.049	0.92	0.027	0.013	0.65	16.54	2.16	10.31	-	-	-	-	-	-	526	-	-	-	-	-	-	-	-

Notes: "Hydrostatic Medium Is Water, "** Seat Test Is Conducted On Both Sides For Bi-directional Valves.

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MATERIAL TEST CERTIFICATE (EN: 10204 3.1)**CUSTOMER :** AL ZERWA TRADING CO LLC.**CERTIFICATE NO :** 03624RTPA**DATE OF CERTIFICATE :** 6th July 2024**SIZE :** 1" (25MM)**PRESSURE :** 300#**ENDS :** FLANGED**QUANTITY :** 20NOS**VALVE TYPE :** BALL VALVE**PROJECT :** 03624RTPA**VALVE ID :** AMS 2406 1013

HYDRO TEST DATA		SHELL TEST (Water)			H.P Pressure Seat (Water)			L.P Press Test (AIR)		BACK SEAT*		TEST STD			VISUAL INSPECTION			SPECIAL TESTS						
PRESSURE(Mpa)		7.5			5.5			0.7		/		API 598			MSS SP25/55			Anti-static : Passed Cavity Relief : Passed Painting : / / / / /						
DURATION(Min)		60sec			60sec			60sec		/					ACCEPTED									
DESIGN PARAMETERS		FACE TO FACE			END CONNECTION			DESIGN STANDARD			FIRE SAFE DESIGN			SOUR SPEC										
STANDARDS		ASME B16.10			ASME B16.5			ASME B16.34			/			NACE MR-01-75										
RESULT		Within Tolerance			Within Tolerance			Within Tolerance			/			Complied										
PARTS		BODY ADAPTOR			BALL/PLUG/DISC			STEM/HINGE		OPERATOR		SEAT RING			SOFT SEAT			SPRING		GASKET		PACKING		
MATERIAL GRADE		CF3M			316L			316		SS201		PTFE			PTFE			/		PTFE		PTFE		
COATING																								
DESCRIPTION		CHEMICAL ANALYSIS														MECHANICAL ANALYSIS					IMPACT TEST			
PART	HEAT NO	C	Mn	P	S	Si	Cr	Mo	Ni	Cu	V	Nb	Al	Oth	Oth	T.S.	Y.P	EL	RA	BH	J			
		≤ 0.03	≤ 2.00	≤ 0.045	≤ 0.030	≤ 1.00	16.0 18.0	2.00 3.00	10.0 14.0	-	-	-	-	-	-	≥ 485 Mpa	≥ 205h	≥ 30%	-	-	(-Deg C)			
BODY	AMS20240513	0.074	1.3	0.037	0.029	1.27	18.15	2.18	9.15	-	-	-	-	-	-	490	215	30	-	185	-	-	-	-
BALL	-	0.047	0.81	0.019	0.007	0.76	18.25	2.23	9.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STEM	-	≤ 0.08	≤ 2.00	≤ 0.045	≤ 0.030	≤ 1.00	16.0 18.0	2.00 3.00	10.0 14.0	-	-	-	-	-	-	≥ 515 Mpa	-	-	-	-	-	-	-	-
	-	0.049	0.92	0.027	0.013	0.65	16.54	2.16	10.31	-	-	-	-	-	-	526	-	-	-	-	-	-	-	-

Notes: "Hydrostatic Medium Is Water, "** Seat Test Is Conducted On Both Sides For Bi-directional Valves.

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MATERIAL TEST CERTIFICATE (EN: 10204 3.1)**CUSTOMER :** AL ZERWA TRADING CO LLC.**CERTIFICATE NO :** 03624RTPA**DATE OF CERTIFICATE :** 6th July 2024**SIZE :** 1" (25MM)**PRESSURE :** 300#**ENDS :** FLANGED**QUANTITY :** 20NOS**VALVE TYPE :** BALL VALVE**PROJECT :** 03624RTPA**VALVE ID :** AMS 2406 1014

HYDRO TEST DATA		SHELL TEST (Water)			H.P Pressure Seat (Water)			L.P Press Test (AIR)		BACK SEAT*		TEST STD			VISUAL INSPECTION			SPECIAL TESTS						
PRESSURE(Mpa)		7.5			5.5			0.7		/		API 598			MSS SP25/55			Anti-static : Passed Cavity Relief : Passed Painting : / / / / /						
DURATION(Min)		60sec			60sec			60sec		/					ACCEPTED									
DESIGN PARAMETERS		FACE TO FACE			END CONNECTION			DESIGN STANDARD			FIRE SAFE DESIGN			SOUR SPEC										
STANDARDS		ASME B16.10			ASME B16.5			ASME B16.34			/			NACE MR-01-75										
RESULT		Within Tolerance			Within Tolerance			Within Tolerance			/			Complied										
PARTS		BODY ADAPTOR			BALL/PLUG/DISC			STEM/HINGE		OPERATOR		SEAT RING			SOFT SEAT			SPRING		GASKET		PACKING		
MATERIAL GRADE		CF3M			316L			316		SS201		PTFE			PTFE			/		PTFE		PTFE		
COATING																								
DESCRIPTION		CHEMICAL ANALYSIS														MECHANICAL ANALYSIS					IMPACT TEST			
PART	HEAT NO	C	Mn	P	S	Si	Cr	Mo	Ni	Cu	V	Nb	Al	Oth	Oth	T.S.	Y.P	EL	RA	BH	J			
		≤ 0.03	≤ 2.00	≤ 0.045	≤ 0.030	≤ 1.00	16.0 18.0	2.00 3.00	10.0 14.0	-	-	-	-	-	-	≥ 485 Mpa	≥ 205h	≥ 30%	-	-	(-Deg C)			
BODY	AMS20240513	0.074	1.3	0.037	0.029	1.27	18.15	2.18	9.15	-	-	-	-	-	-	490	215	30	-	185	-	-	-	-
BALL	-	0.047	0.81	0.019	0.007	0.76	18.25	2.23	9.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STEM	-	≤ 0.08	≤ 2.00	≤ 0.045	≤ 0.030	≤ 1.00	16.0 18.0	2.00 3.00	10.0 14.0	-	-	-	-	-	-	≥ 515 Mpa	-	-	-	-	-	-	-	-
	-	0.049	0.92	0.027	0.013	0.65	16.54	2.16	10.31	-	-	-	-	-	-	526	-	-	-	-	-	-	-	-

Notes: "Hydrostatic Medium Is Water, "** Seat Test Is Conducted On Both Sides For Bi-directional Valves.

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MATERIAL TEST CERTIFICATE (EN: 10204 3.1)**CUSTOMER :** AL ZERWA TRADING CO LLC.**CERTIFICATE NO :** 03624RTPA**DATE OF CERTIFICATE :** 6th July 2024**SIZE :** 1" (25MM)**PRESSURE :** 300#**ENDS :** FLANGED**QUANTITY :** 20NOS**VALVE TYPE :** BALL VALVE**PROJECT :** 03624RTPA**VALVE ID :** AMS 2406 1015

HYDRO TEST DATA		SHELL TEST (Water)			H.P Pressure Seat (Water)			L.P Press Test (AIR)		BACK SEAT*		TEST STD			VISUAL INSPECTION			SPECIAL TESTS						
PRESSURE(Mpa)		7.5			5.5			0.7		/		API 598			MSS SP25/55			Anti-static : Passed Cavity Relief : Passed Painting : / / / / /						
DURATION(Min)		60sec			60sec			60sec		/					ACCEPTED									
DESIGN PARAMETERS		FACE TO FACE			END CONNECTION			DESIGN STANDARD			FIRE SAFE DESIGN			SOUR SPEC										
STANDARDS		ASME B16.10			ASME B16.5			ASME B16.34			/			NACE MR-01-75										
RESULT		Within Tolerance			Within Tolerance			Within Tolerance			/			Complied										
PARTS		BODY ADAPTOR			BALL/PLUG/DISC			STEM/HINGE		OPERATOR		SEAT RING			SOFT SEAT			SPRING		GASKET		PACKING		
MATERIAL GRADE		CF3M			316L			316		SS201		PTFE			PTFE			/		PTFE		PTFE		
COATING																								
DESCRIPTION		CHEMICAL ANALYSIS														MECHANICAL ANALYSIS					IMPACT TEST			
PART	HEAT NO	C	Mn	P	S	Si	Cr	Mo	Ni	Cu	V	Nb	Al	Oth	Oth	T.S.	Y.P	EL	RA	BH	J			
		≤ 0.03	≤ 2.00	≤ 0.045	≤ 0.030	≤ 1.00	16.0 18.0	2.00 3.00	10.0 14.0	-	-	-	-	-	-	≥ 485 Mpa	≥ 205h	≥ 30%	-	-	(-Deg C)			
BODY	AMS20240513	0.074	1.3	0.037	0.029	1.27	18.15	2.18	9.15	-	-	-	-	-	-	490	215	30	-	185	-	-	-	-
BALL	-	0.047	0.81	0.019	0.007	0.76	18.25	2.23	9.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STEM	-	≤ 0.08	≤ 2.00	≤ 0.045	≤ 0.030	≤ 1.00	16.0 18.0	2.00 3.00	10.0 14.0	-	-	-	-	-	-	≥ 515 Mpa	-	-	-	-	-	-	-	-
	-	0.049	0.92	0.027	0.013	0.65	16.54	2.16	10.31	-	-	-	-	-	-	526	-	-	-	-	-	-	-	-

Notes: "Hydrostatic Medium Is Water, ** Seat Test Is Conducted On Both Sides For Bi-directional Valves.

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MATERIAL TEST CERTIFICATE (EN: 10204 3.1)

CUSTOMER : AL ZERWA TRADING CO LLC.
CERTIFICATE NO : 03624RTPA
DATE OF CERTIFICATE : 6th July 2024

SIZE : 1" (25MM)
PRESSURE : 300#
ENDS : FLANGED
QUANTITY : 20NOS

VALVE TYPE : BALL VALVE
PROJECT : 03624RTPA
VALVE ID : AMS 2406 1016

HYDRO TEST DATA		SHELL TEST (Water)			H.P Pressure Seat (Water)			L.P Press Test (AIR)		BACK SEAT*		TEST STD			VISUAL INSPECTION			SPECIAL TESTS						
PRESSURE(Mpa)		7.5			5.5			0.7		/		API 598			MSS SP25/55			Anti-static : Passed Cavity Relief : Passed Painting : / / / / /						
DURATION(Min)		60sec			60sec			60sec		/					ACCEPTED									
DESIGN PARAMETERS		FACE TO FACE			END CONNECTION			DESIGN STANDARD			FIRE SAFE DESIGN			SOUR SPEC										
STANDARDS		ASME B16.10			ASME B16.5			ASME B16.34			/			NACE MR-01-75										
RESULT		Within Tolerance			Within Tolerance			Within Tolerance			/			Complied										
PARTS		BODY ADAPTOR			BALL/PLUG/DISC			STEM/HINGE		OPERATOR		SEAT RING			SOFT SEAT			SPRING		GASKET		PACKING		
MATERIAL GRADE		CF3M			316L			316		SS201		PTFE			PTFE			/		PTFE		PTFE		
COATING																								
DESCRIPTION		CHEMICAL ANALYSIS														MECHANICAL ANALYSIS					IMPACT TEST			
PART	HEAT NO	C	Mn	P	S	Si	Cr	Mo	Ni	Cu	V	Nb	Al	Oth	Oth	T.S.	Y.P	EL	RA	BH	J			
		≤ 0.03	≤ 2.00	≤ 0.045	≤ 0.030	≤ 1.00	16.0 18.0	2.00 3.00	10.0 14.0	-	-	-	-	-	-	≥ 485 Mpa	≥ 205h	≥ 30%	-	-	(-Deg C)			
BODY	AMS20240513	0.074	1.3	0.037	0.029	1.27	18.15	2.18	9.15	-	-	-	-	-	-	490	215	30	-	185	-	-	-	-
BALL	-	0.047	0.81	0.019	0.007	0.76	18.25	2.23	9.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STEM	-	≤ 0.08	≤ 2.00	≤ 0.045	≤ 0.030	≤ 1.00	16.0 18.0	2.00 3.00	10.0 14.0	-	-	-	-	-	-	≥ 515 Mpa	-	-	-	-	-	-	-	-
	-	0.049	0.92	0.027	0.013	0.65	16.54	2.16	10.31	-	-	-	-	-	-	526	-	-	-	-	-	-	-	-

Notes: "Hydrostatic Medium Is Water, ** Seat Test Is Conducted On Both Sides For Bi-directional Valves.

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Check Witnessed Quality Manager

Michael

Other Stamp & Sign



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CUSTOMER : AL ZERWA TRADING CO LLC.
CERTIFICATE NO : 03624RTPA
DATE OF CERTIFICATE : 6th July 2024

SIZE : 1" (25MM)
PRESSURE : 300#
ENDS : FLANGED
QUANTITY : 20NOS

VALVE TYPE : BALL VALVE
PROJECT : 03624RTPA
VALVE ID : AMS 2406 1017

HYDRO TEST DATA		SHELL TEST (Water)			H.P Pressure Seat (Water)			L.P Press Test (AIR)		BACK SEAT*		TEST STD			VISUAL INSPECTION			SPECIAL TESTS						
PRESSURE(Mpa)		7.5			5.5			0.7		/		API 598			MSS SP25/55			Anti-static : Passed Cavity Relief : Passed Painting : / / / / /						
DURATION(Min)		60sec			60sec			60sec		/					ACCEPTED									
DESIGN PARAMETERS		FACE TO FACE			END CONNECTION			DESIGN STANDARD			FIRE SAFE DESIGN			SOUR SPEC										
STANDARDS		ASME B16.10			ASME B16.5			ASME B16.34			/			NACE MR-01-75										
RESULT		Within Tolerance			Within Tolerance			Within Tolerance			/			Complied										
PARTS		BODY ADAPTOR			BALL/PLUG/DISC			STEM/HINGE		OPERATOR		SEAT RING			SOFT SEAT			SPRING		GASKET		PACKING		
MATERIAL GRADE		CF3M			316L			316		SS201		PTFE			PTFE			/		PTFE		PTFE		
COATING																								
DESCRIPTION		CHEMICAL ANALYSIS														MECHANICAL ANALYSIS					IMPACT TEST			
PART	HEAT NO	C	Mn	P	S	Si	Cr	Mo	Ni	Cu	V	Nb	Al	Oth	Oth	T.S.	Y.P	EL	RA	BH	J			
		≤ 0.03	≤ 2.00	≤ 0.045	≤ 0.030	≤ 1.00	16.0 18.0	2.00 3.00	10.0 14.0	-	-	-	-	-	-	≥ 485 Mpa	≥ 205h	≥ 30%	-	-	(-Deg C)			
BODY	AMS20240513	0.074	1.3	0.037	0.029	1.27	18.15	2.18	9.15	-	-	-	-	-	-	490	215	30	-	185	-	-	-	-
BALL	-	0.047	0.81	0.019	0.007	0.76	18.25	2.23	9.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STEM	-	≤ 0.08	≤ 2.00	≤ 0.045	≤ 0.030	≤ 1.00	16.0 18.0	2.00 3.00	10.0 14.0	-	-	-	-	-	-	≥ 515 Mpa	-	-	-	-	-	-	-	
	-	0.049	0.92	0.027	0.013	0.65	16.54	2.16	10.31	-	-	-	-	-	-	526	-	-	-	-	-	-	-	

Notes: "Hydrostatic Medium Is Water, "** Seat Test Is Conducted On Both Sides For Bi-directional Valves.

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Michael

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HYDRO TEST DATA		SHELL TEST (Water)			H.P Pressure Seat (Water)			L.P Press Test (AIR)		BACK SEAT*		TEST STD			VISUAL INSPECTION			SPECIAL TESTS						
PRESSURE(Mpa)		7.5			5.5			0.7		/		API 598			MSS SP25/55			Anti-static : Passed Cavity Relief : Passed Painting : / / / / /						
DURATION(Min)		60sec			60sec			60sec		/					ACCEPTED									
DESIGN PARAMETERS		FACE TO FACE			END CONNECTION			DESIGN STANDARD			FIRE SAFE DESIGN			SOUR SPEC										
STANDARDS		ASME B16.10			ASME B16.5			ASME B16.34			/			NACE MR-01-75										
RESULT		Within Tolerance			Within Tolerance			Within Tolerance			/			Complied										
PARTS		BODY ADAPTOR			BALL/PLUG/DISC			STEM/HINGE		OPERATOR		SEAT RING			SOFT SEAT			SPRING		GASKET		PACKING		
MATERIAL GRADE		CF3M			316L			316		SS201		PTFE			PTFE			/		PTFE		PTFE		
COATING																								
DESCRIPTION		CHEMICAL ANALYSIS														MECHANICAL ANALYSIS					IMPACT TEST			
PART	HEAT NO	C	Mn	P	S	Si	Cr	Mo	Ni	Cu	V	Nb	Al	Oth	Oth	T.S.	Y.P	EL	RA	BH	J			
		≤ 0.03	≤ 2.00	≤ 0.045	≤ 0.030	≤ 1.00	16.0 18.0	2.00 3.00	10.0 14.0	-	-	-	-	-	-	≥ 485 Mpa	≥ 205h	≥ 30%	-	-	(-Deg C)			
BODY	AMS20240513	0.074	1.3	0.037	0.029	1.27	18.15	2.18	9.15	-	-	-	-	-	-	490	215	30	-	185	-	-	-	-
BALL	-	0.047	0.81	0.019	0.007	0.76	18.25	2.23	9.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STEM	-	≤ 0.08	≤ 2.00	≤ 0.045	≤ 0.030	≤ 1.00	16.0 18.0	2.00 3.00	10.0 14.0	-	-	-	-	-	-	≥ 515 Mpa	-	-	-	-	-	-	-	
	-	0.049	0.92	0.027	0.013	0.65	16.54	2.16	10.31	-	-	-	-	-	-	526	-	-	-	-	-	-	-	

Notes: "Hydrostatic Medium Is Water, "** Seat Test Is Conducted On Both Sides For Bi-directional Valves.

We here by confirm that the valves referred in this certificate is confirmed to meet the referred data and approved for release to customer.

Check Witnessed Quality Manager

Other Stamp & Sign



Company Stamp



**AMS VALVES**

5001 Spring Valley Road, Suite 400 East, Dallas, TX 75244, United States.

PHONE : (903) 912-7717

FAX : (972) 8507757

WEB : amsvalves.com

MATERIAL TEST CERTIFICATE (EN: 10204 3.1)**CUSTOMER :** AL ZERWA TRADING CO LLC.**CERTIFICATE NO :** 03624RTPA**DATE OF CERTIFICATE :** 6th July 2024**SIZE :** 1" (25MM)**PRESSURE :** 300#**ENDS :** FLANGED**QUANTITY :** 20NOS**VALVE TYPE :** BALL VALVE**PROJECT :** 03624RTPA**VALVE ID :** AMS 2406 1019

HYDRO TEST DATA		SHELL TEST (Water)			H.P Pressure Seat (Water)			L.P Press Test (AIR)		BACK SEAT*		TEST STD			VISUAL INSPECTION			SPECIAL TESTS						
PRESSURE(Mpa)		7.5			5.5			0.7		/		API 598			MSS SP25/55			Anti-static : Passed Cavity Relief : Passed Painting : / / / / /						
DURATION(Min)		60sec			60sec			60sec		/					ACCEPTED									
DESIGN PARAMETERS		FACE TO FACE			END CONNECTION			DESIGN STANDARD			FIRE SAFE DESIGN			SOUR SPEC										
STANDARDS		ASME B16.10			ASME B16.5			ASME B16.34			/			NACE MR-01-75										
RESULT		Within Tolerance			Within Tolerance			Within Tolerance			/			Complied										
PARTS		BODY ADAPTOR			BALL/PLUG/DISC			STEM/HINGE		OPERATOR		SEAT RING			SOFT SEAT			SPRING		GASKET		PACKING		
MATERIAL GRADE		CF3M			316L			316		SS201		PTFE			PTFE			/		PTFE		PTFE		
COATING																								
DESCRIPTION		CHEMICAL ANALYSIS														MECHANICAL ANALYSIS					IMPACT TEST			
PART	HEAT NO	C	Mn	P	S	Si	Cr	Mo	Ni	Cu	V	Nb	Al	Oth	Oth	T.S.	Y.P	EL	RA	BH	J			
		≤ 0.03	≤ 2.00	≤ 0.045	≤ 0.030	≤ 1.00	16.0 18.0	2.00 3.00	10.0 14.0	-	-	-	-	-	-	≥ 485 Mpa	≥ 205h	≥ 30%	-	-	(-Deg C)			
BODY	AMS20240513	0.074	1.3	0.037	0.029	1.27	18.15	2.18	9.15	-	-	-	-	-	-	490	215	30	-	185	-	-	-	-
BALL	-	0.047	0.81	0.019	0.007	0.76	18.25	2.23	9.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STEM	-	≤ 0.08	≤ 2.00	≤ 0.045	≤ 0.030	≤ 1.00	16.0 18.0	2.00 3.00	10.0 14.0	-	-	-	-	-	-	≥ 515 Mpa	-	-	-	-	-	-	-	
	-	0.049	0.92	0.027	0.013	0.65	16.54	2.16	10.31	-	-	-	-	-	-	526	-	-	-	-	-	-	-	

Notes: "Hydrostatic Medium Is Water, "** Seat Test Is Conducted On Both Sides For Bi-directional Valves.

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Check Witnessed Quality Manager

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Company Stamp





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FAX : (972) 8507757
WEB : amsvalves.com

MATERIAL TEST CERTIFICATE (EN: 10204 3.1)

CUSTOMER : AL ZERWA TRADING CO LLC.
CERTIFICATE NO : 03624RTPA
DATE OF CERTIFICATE : 6th July 2024

SIZE : 1" (25MM)
PRESSURE : 300#
ENDS : FLANGED
QUANTITY : 20NOS

VALVE TYPE : BALL VALVE
PROJECT : 03624RTPA
VALVE ID : AMS 2406 1020

HYDRO TEST DATA		SHELL TEST (Water)			H.P Pressure Seat (Water)			L.P Press Test (AIR)		BACK SEAT*		TEST STD			VISUAL INSPECTION			SPECIAL TESTS							
PRESSURE(Mpa)		7.5			5.5			0.7		/		API 598			MSS SP25/55			Anti-static : Passed							
DURATION(Min)		60sec			60sec			60sec		/					ACCEPTED			Cavity Relief : Passed							
DESIGN PARAMETERS		FACE TO FACE			END CONNECTION			DESIGN STANDARD				FIRE SAFE DESIGN			SOUR SPEC			Painting : /							
STANDARDS		ASME B16.10			ASME B16.5			ASME B16.34				/			NACE MR-01-75			/ /							
RESULT		Within Tolerance			Within Tolerance			Within Tolerance				/			Complied			/ /							
PARTS		BODY ADAPTOR			BALL/PLUG/DISC			STEM/HINGE		OPERATOR		SEAT RING			SOFT SEAT			SPRING		GASKET		PACKING			
MATERIAL GRADE		CF3M			316L			316		SS201		PTFE			PTFE			/		PTFE		PTFE			
COATING																									
DESCRIPTION		CHEMICAL ANALYSIS														MECHANICAL ANALYSIS						IMPACT TEST			
PART	HEAT NO	C	Mn	P	S	Si	Cr	Mo	Ni	Cu	V	Nb	Al	Oth	Oth	T.S.	Y.P	EL	RA	BH	J				
		≤ 0.03	≤ 2.00	≤ 0.045	≤ 0.030	≤ 1.00	16.0 18.0	2.00 3.00	10.0 14.0	-	-	-	-	-	-	≥ 485 Mpa	≥ 205h	≥ 30%	-	-	(-Deg C)				
BODY	AMS20240513	0.074	1.3	0.037	0.029	1.27	18.15	2.18	9.15	-	-	-	-	-	-	490	215	30	-	185	-	-	-	-	
BALL	-	0.047	0.81	0.019	0.007	0.76	18.25	2.23	9.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STEM	-	≤ 0.08	≤ 2.00	≤ 0.045	≤ 0.030	≤ 1.00	16.0 18.0	2.00 3.00	10.0 14.0	-	-	-	-	-	-	≥ 515 Mpa	-	-	-	-	-	-	-	-	
	-	0.049	0.92	0.027	0.013	0.65	16.54	2.16	10.31	-	-	-	-	-	-	526	-	-	-	-	-	-	-	-	

Notes: "Hydrostatic Medium Is Water, "** Seat Test Is Conducted On Both Sides For Bi-directional Valves.

We here by confirm that the valves referred in this certificate is confirmed to meet the referred data and approved for release to customer.

Check Witnessed Quality Manager

Michael

Other Stamp & Sign



Company Stamp

