

**AMS VALVES**

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

PHONE : (903) 912-7717  
FAX : (972) 8507757  
WEB : amsvaives.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 1021

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)		6.0			4.4			0.6		/		API 598			MSS SP25/55			Anti-static : Passed Cavity Relief : Passed Painting : / / / / /						
DURATION(Min)		15sec			15sec			15sec		/					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		CF8M			CF8M			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			
		≤ 0.08	≤ 1.50	≤ 0.04	≤ 0.04	≤ 1.50	18.0 21.0	2.00 3.00	9.0 12.0	-	-	-	-	-	-	≥ 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 &amp; Sign



Company Stamp



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**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 1022

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)		6.0		4.4		0.6		/		API 598		MSS SP25/55				Anti-static : Passed Cavity Relief : Passed Painting : /								
DURATION(Min)		15sec		15sec		15sec		/				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		CF8M		CF8M		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			
		≤ 0.08	≤ 1.50	≤ 0.04	≤ 0.04	≤ 1.50	18.0 21.0	2.00 3.00	9.0 12.0	-	-	-	-	-	-	≥ 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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**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 1023

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)		6.0		4.4		0.6		/		API 598		MSS SP25/55				Anti-static : Passed Cavity Relief : Passed Painting : /								
DURATION(Min)		15sec		15sec		15sec		/				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		CF8M		CF8M		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			
		≤ 0.08	≤ 1.50	≤ 0.04	≤ 0.04	≤ 1.50	18.0 21.0	2.00 3.00	9.0 12.0	-	-	-	-	-	-	≥ 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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**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 1024

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)		6.0		4.4		0.6		/		API 598		MSS SP25/55				Anti-static : Passed Cavity Relief : Passed Painting : / / / / /								
DURATION(Min)		15sec		15sec		15sec		/				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		CF8M		CF8M		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			
		≤ 0.08	≤ 1.50	≤ 0.04	≤ 0.04	≤ 1.50	18.0 21.0	2.00 3.00	9.0 12.0	-	-	-	-	-	-	-	≥ 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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**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 1025

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)		6.0			4.4			0.6		/		API 598			MSS SP25/55			Anti-static : Passed							
DURATION(Min)		15sec			15sec			15sec		/					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		CF8M			CF8M			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				
		≤ 0.08	≤ 1.50	≤ 0.04	≤ 0.04	≤ 1.50	18.0 21.0	2.00 3.00	9.0 12.0	-	-	-	-	-	-	-	≥ 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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**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 1026

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)		6.0		4.4		0.6		/		API 598		MSS SP25/55				Anti-static : Passed Cavity Relief : Passed Painting : /								
DURATION(Min)		15sec		15sec		15sec		/				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		CF8M		CF8M		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			
		≤ 0.08	≤ 1.50	≤ 0.04	≤ 0.04	≤ 1.50	18.0 21.0	2.00 3.00	9.0 12.0	-	-	-	-	-	-	≥ 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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**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 1027

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)		6.0		4.4		0.6		/		API 598		MSS SP25/55				Anti-static : Passed Cavity Relief : Passed Painting : / / / / /								
DURATION(Min)		15sec		15sec		15sec		/				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		CF8M		CF8M		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			
		≤ 0.08	≤ 1.50	≤ 0.04	≤ 0.04	≤ 1.50	18.0 21.0	2.00 3.00	9.0 12.0	-	-	-	-	-	-	≥ 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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**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 1028

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)		6.0		4.4		0.6		/		API 598		MSS SP25/55				Anti-static : Passed Cavity Relief : Passed Painting : / / / / /								
DURATION(Min)		15sec		15sec		15sec		/				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		CF8M		CF8M		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			
		≤ 0.08	≤ 1.50	≤ 0.04	≤ 0.04	≤ 1.50	18.0 21.0	2.00 3.00	9.0 12.0	-	-	-	-	-	-	≥ 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 &amp; 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 : amsv valves.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 1029

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)		6.0		4.4		0.6		/		API 598		MSS SP25/55				Anti-static : Passed Cavity Relief : Passed Painting : /								
DURATION(Min)		15sec		15sec		15sec		/				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		CF8M		CF8M		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			
		≤ 0.08	≤ 1.50	≤ 0.04	≤ 0.04	≤ 1.50	18.0 21.0	2.00 3.00	9.0 12.0	-	-	-	-	-	-	-	≥ 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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PHONE : (903) 912-7717  
FAX : (972) 8507757  
WEB : amsv valves.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 1030

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)		6.0		4.4			0.6		/		API 598			MSS SP25/55			Anti-static : Passed Cavity Relief : Passed Painting : /							
DURATION(Min)		15sec		15sec			15sec		/					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		CF8M		CF8M			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			
		≤ 0.08	≤ 1.50	≤ 0.04	≤ 0.04	≤ 1.50	18.0 21.0	2.00 3.00	9.0 12.0	-	-	-	-	-	-	≥ 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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