

MATERIAL & TEST CERTIFICATE. EN 10204-3.1**BALL VALVE**

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DATE:2017-3-14

MV PO:
70124-STKMX-RSG2 Rev3MFG. Ref NO:
W&S70124-STKMX-RSG.

Customer:	REPRESENTACIONES MSM SA DE CV	END USER:				
STANDARD	ITEM	MATERIAL	P/N	SIZE	QTY	HEATING No
API598	ball valve	brass	2B400	1/2"	5000	1703
API598	ball valve	brass	2B400	3/4"	4000	1703

Check and Test

Pressure Test				Visual & functional Inspection			
Shell Hydrostatic	Backseat	Low pressure seat	High pressure seat	Item	k	Item	Conclusion
Test Pressure <u>3.5</u> MPa Test Medium: <u>water</u> Time: <u>30</u> s	Test Pressure <u>3.0</u> MPa Test Medium: <u>water</u> Time <u>30</u> s	Test Pressure <u>3.0</u> MPa Test Medium: <u>water</u> Time <u>30</u> s	Test Pressure <u> </u> MPa Test Medium: <u> </u> Time: <u> </u> s	Checking of order specifications	ok	Test of operation/ Cleanliness	ok
				Check of Dimensions	ok	Anti-hydrogen	/
				Check of marks	ok	Visual Inspection	ok
The pressure test results are in compliance with : <input type="checkbox"/> API 6D-2008 <input type="checkbox"/> API 598 <input type="checkbox"/> GB/T 13927 <input type="checkbox"/> BS6755				Checking of surface	ok	Rightness of material certification	ok

Physical & Chemical Test

It.	Size	HEAT.	Material	Main Chemical composition (%)														MAT	
				Zn	Pb	Sn	P	Mn	Fe	Ni	Si	Cr	Sb	Bi	Co	Al	Cu	Tensile Strength Rm(Mpa)	Elongation (%)
ball valve	1/2"	1703	brass	37,406	2,078	0,407	0,003	0,006	0,36	0,28	0,005	0,001	0,012	0,015	0,0021	0,014	59,19	>420	>10
ball valve	3/4"	1703	brass	36,838	2,091	0,451	0,004	0,012	0,4	0,27	0,01	0,0013	0,01	0,016	0,003	0,024	59,706	>420	>10

Remarks:The Physical and Chemical test results are in compliance with ASTM A105-2005 ASTM A182-2008 ASTM A276-2008 ASTM A193-2008 ASTM A194-2008

This is to certify that the above results are true. The products are in compliance with order requirements.

Checker and Tester

P&C analyzer

Q.A. director

Check department

Manufacturer:

