

MILL CERTIFICATE

CLIENT: UNIMECH ENGINEERING (M) SDN BHD WISMA UNIMECH,4934, JALAN CHAIN FERRY, 12100 BUTTERWORTH ,PENANG , MALAYSIA	DESCRIPTION: 156PCS OF ARITA CARBON STEEL BALL VALVE FLANGE END AS PER P/INV NO. FS0423 DRAWN UNDER HONG LEONG BANK BERHAD,LC NO.LCPRA042222 DATED 06 DECEMBER 2021.	Client's Order No: ZPO-2109-0015 ZPO-2109-0010																																																							
STANDARD OF CHEMICAL COMPOSITION	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>C</th> <th>Si</th> <th>Mn</th> <th>P</th> <th>S</th> <th>Ni</th> <th>Cr</th> <th>Mo</th> <th>TENSILE σ_b(Mpa)</th> <th>YIELD σ_s(Mpa)</th> <th>ELONGATION δ (Mpa)</th> </tr> <tr> <td>0.30</td> <td>0.60</td> <td>1.00</td> <td>0.04</td> <td>0.045</td> <td>-----</td> <td>-----</td> <td>-----</td> <td>485~655</td> <td>≥ 250</td> <td>≥ 22</td> </tr> <tr> <td>0.08</td> <td>1.50</td> <td>1.50</td> <td>0.04</td> <td>0.04</td> <td>9-12</td> <td>18-21</td> <td>2-3</td> <td>≥ 485</td> <td>≥ 205</td> <td>≥ 30</td> </tr> <tr> <td>0.08</td> <td>2.00</td> <td>1.50</td> <td>0.04</td> <td>0.04</td> <td>8-11</td> <td>18-21</td> <td>-----</td> <td>≥ 481</td> <td>≥ 206</td> <td>≥ 33</td> </tr> <tr> <td>0.08</td> <td>2.00</td> <td>1.50</td> <td>0.04</td> <td>0.04</td> <td>8-11</td> <td>18-21</td> <td>0.5</td> <td>≥ 485</td> <td>≥ 205</td> <td>≥ 35</td> </tr> </table>	C	Si	Mn	P	S	Ni	Cr	Mo	TENSILE σ_b (Mpa)	YIELD σ_s (Mpa)	ELONGATION δ (Mpa)	0.30	0.60	1.00	0.04	0.045	-----	-----	-----	485~655	≥ 250	≥ 22	0.08	1.50	1.50	0.04	0.04	9-12	18-21	2-3	≥ 485	≥ 205	≥ 30	0.08	2.00	1.50	0.04	0.04	8-11	18-21	-----	≥ 481	≥ 206	≥ 33	0.08	2.00	1.50	0.04	0.04	8-11	18-21	0.5	≥ 485	≥ 205	≥ 35	FINANCIAL BANK BERHAD HONG LEONG BANK BERHAD
C	Si	Mn	P	S	Ni	Cr	Mo	TENSILE σ_b (Mpa)	YIELD σ_s (Mpa)	ELONGATION δ (Mpa)																																															
0.30	0.60	1.00	0.04	0.045	-----	-----	-----	485~655	≥ 250	≥ 22																																															
0.08	1.50	1.50	0.04	0.04	9-12	18-21	2-3	≥ 485	≥ 205	≥ 30																																															
0.08	2.00	1.50	0.04	0.04	8-11	18-21	-----	≥ 481	≥ 206	≥ 33																																															
0.08	2.00	1.50	0.04	0.04	8-11	18-21	0.5	≥ 485	≥ 205	≥ 35																																															
(TEST CONDITIONS TO API598 UNLESS OTHERWISE STATED)																																																									
DESCRIPTION	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>END CONNECTION</th> <th>SHELL TEST (Mpa)</th> <th>HIGH-PRESSURE TEST (Mpa)</th> <th>LOW-PRESSURE TEST (Mpa)</th> <th>BACKSEAT TEST (Mpa)</th> <th>TEMPERATURE TEST</th> </tr> <tr> <td>FLGD <input checked="" type="checkbox"/> SCREW <input type="checkbox"/></td> <td>3.1</td> <td></td> <td>0.5-0.7</td> <td></td> <td>-29°C, 180°C (SS value) -29°C, 300°C (CS value)</td> </tr> <tr> <td>FLGD <input checked="" type="checkbox"/> SCREW <input type="checkbox"/></td> <td>7.8</td> <td></td> <td>0.6</td> <td></td> <td></td> </tr> <tr> <td>FLGD <input type="checkbox"/> SCREW <input type="checkbox"/></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>FLGD <input type="checkbox"/> SCREW <input type="checkbox"/></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	END CONNECTION	SHELL TEST (Mpa)	HIGH-PRESSURE TEST (Mpa)	LOW-PRESSURE TEST (Mpa)	BACKSEAT TEST (Mpa)	TEMPERATURE TEST	FLGD <input checked="" type="checkbox"/> SCREW <input type="checkbox"/>	3.1		0.5-0.7		-29°C, 180°C (SS value) -29°C, 300°C (CS value)	FLGD <input checked="" type="checkbox"/> SCREW <input type="checkbox"/>	7.8		0.6			FLGD <input type="checkbox"/> SCREW <input type="checkbox"/>						FLGD <input type="checkbox"/> SCREW <input type="checkbox"/>						VALVE LEAKAGE OK INSPECTOR [Signature]																									
END CONNECTION	SHELL TEST (Mpa)	HIGH-PRESSURE TEST (Mpa)	LOW-PRESSURE TEST (Mpa)	BACKSEAT TEST (Mpa)	TEMPERATURE TEST																																																				
FLGD <input checked="" type="checkbox"/> SCREW <input type="checkbox"/>	3.1		0.5-0.7		-29°C, 180°C (SS value) -29°C, 300°C (CS value)																																																				
FLGD <input checked="" type="checkbox"/> SCREW <input type="checkbox"/>	7.8		0.6																																																						
FLGD <input type="checkbox"/> SCREW <input type="checkbox"/>																																																									
FLGD <input type="checkbox"/> SCREW <input type="checkbox"/>																																																									
150LB -ball valve <input checked="" type="checkbox"/>																																																									
300LB-ball valve <input checked="" type="checkbox"/>																																																									
150LB-gate valve <input type="checkbox"/>																																																									
10K-swing check <input type="checkbox"/>																																																									
We hereby certify that all the valves of supplied are manufactured, assembled and tested in our company condition shown in the certification has been carried out and witness.																																																									
DATE: 2021/12/09		INSPECTION DEPARTMENT: WUXI FUSHENG VALVE INDUSTRIAL CO.,LTD(QA DEPARTMENT) AS MILL																																																							