



MATERIAL TEST REPORT

EN 10204-2004 3.1

TC No. 56935-20
DATE: 2015.02.15
PAGE: 1 OF 3

CA Line 2 CPG#2

CUSTOMER:		QUANTITY	PART No.	PRODUCT CODE	PRODUCT DESCRIPTION				
NEWAY VALVE INTERNATIONAL, INC-MRM 9757 Stafford Centre Rd., Stafford USA USA		6	11035041	1G8SNNF51HFW-NC-T-WB \GX-081U00	1G8SN V3,D40/239 [-FW-PT,-NC-B8MA/8MA.E] GATE VALVE,1,800LB ASTM A182 F51,F51/ A890/A995 4A/F51 SOCKET WELDING END(LEFT)/SCREWD END(RIGHT)				
PURCHASE ORDER: 6004474MRC_C 74P 344030 3B0 \ C 74P 344030 3B0 2		PRESSURE TEST (Mpa/PSI)			OTHER INSPECTION				
		HYDROSTATIC		PNEUM	RESULT	VISUAL	DIMENSION	OPERATION	MARKING
PROJECT NAME:		SHELL	SEATS/BACKSEAT	SEATS	Accepted	Accepted	Accepted	Accepted	Accepted
		20.7/3002	15.2/2204	0.6/87					
PROJECT NO:									
APPLICABLE STANDARDS AND SPECIFICATION									
P/T RATING: ASME B16.34									
MAIN MATERIAL: RELEVANT ASTM STANDARD									
DESIGN: ISO15761 API602 ASME B16.34									
TEST: API598 EN12266 NOTE: ALL RELATED STANDARDS ARE THE LATEST VERSION.									
TRIM MATERIAL (SEAT/STEM) AND BOLTING ARE ACCORDING TO THE P.O. AND MATERIAL SPECIFICATION									
VALVES CONFORM TO NACE STANDARD MR.0175 LATEST REVISION									
We hereby certify that the valves listed above are manufactured and tested in accordance with the requirements of valve standard and purchase order.									
WITNESSED BY: _____					NEWAY VALVE <i>Ken Li</i> Q.C. Manager				



MATERIAL TEST REPORT

EN 10204-2004 3.1

TC No. 56935-20
DATE: 2015.02.15
PAGE: 2 OF 3

PRODUCT TRACEABILITY TABLE

SERIAL NO.	MATERIAL CODE AND HEAT NO.			PRODUCT NO.	SERIAL NO.	MATERIAL CODE AND HEAT NO.			PRODUCT
	BODY	BONNET	WEDGE/DISC			BODY	BONNET	WEDGE/DISC	
	F51	F51	F51			F51	F51	F51	
56935-020-1	11S29	11S01	K4DF10	/	56935-020-2	11S29	11S29	K4DF10	/
56935-020-3	11S29	11S29	K4DF10	/	56935-020-4	11S29	11S29	K4DF10	/
56935-020-5	11S29	11S29	K4DF10	/	56935-020-6	11S29	11S01	K4DF10	/

MATERIAL COMPONENTS AND PROPERTIES

Material	Heat treatment	Temp°C(°F)	Holding time(h)	Cooling media	Furnace	We hereby certify that the material are manufactured, inspected and tested in accordance with the material specification and purchase order requirements.
F51	SOLUTION	1020-1050 (1868-1922 F)	1H/25MM, >=2H	WATER	ELECTRIC	

PART NAME	MATERIAL	HEAT NO.	CHEMICAL ANALYSIS													MECHANICAL PROPERTIES									
		MAX. MIN.	C %	Mn %	Si %	S %	P %	Cr %	Ni %	Mo %	N %						TS MPa	YS MPa	E %	R %	HARD HB	IMPACT TEST VALUE TEMP °C:			
			0.030	2.000	1.000	0.020	0.030	23.00	6.500	3.500	0.200							620	450	25	45	271	Avg. Min:		
								21.00	4.500	2.500	0.080												1	2	3
BODY	F51	11S29	0.016	1.407	0.683	0.001	0.027	22.06	4.660	2.654	0.196						740	540	37	70	223				
BONNET	F51	11S01	0.019	1.386	0.476	0.001	0.020	22.43	5.350	3.241	0.200						760	535	44	75	229				
BONNET	F51	11S29	0.016	1.407	0.683	0.001	0.027	22.06	4.660	2.654	0.196						740	540	37	70	223				
WEDGE	F51	K4DF10	0.011	1.220	0.350	0.010	0.012	21.80	4.910	2.890	0.180						658	530	38	56	201				
STEM	F51	DDA018	0.016	1.520	0.400	0.007	0.027	21.55	4.650	2.620	0.143						639	477	27	46	212				
SEAT RING	F51	LBB005	0.022	1.350	0.380	0.001	0.027	22.22	4.830	2.790	0.143						680	505	36	65	195				