



MATERIAL TEST REPORT

EN 10204-2004 3.1

TC No. 46379-100
DATE: 2013.08.05
PAGE: 1 OF 3

CUSTOMER:	QUANTITY	PART No.	PRODUCT CODE	PRODUCT DESCRIPTION				
NEWAY VALVE INTERNATIONAL, INC-MRM 9757 Stafford Centre Rd., Stafford USA USA	7	10847983	1G8SNNF51/HFS-NC-T-WB	1G8SN V3,D40/153 [-FW-PT,-NC-B8M(2)/8M.E] GATE VALVE,1,800LB ASTM A182 F51,F51/HF SOCKET WELDING END(LEFT)/SCREWD END(RIGHT),NACE				
PURCHASE ORDER: 6002913MRC_C 74P 244485 8B0	PRESSURE TEST (Mpa/PSI)			OTHER INSPECTION				
PROJECT NAME:	HYDROSTATIC		PNEUM	RESULT	VISUAL	DIMENSION	OPERATION	MARKING
	SHELL	SEATS/BACKSEAT	SEATS	OK	OK	OK	OK	OK
	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

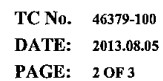
CPO: CL1F-503750-VI-2002 REV 0
CPO LINE: 02
TAG NO: 1-GX-08U00

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
Q.C. Manager

Ken Li



SERIAL NO.	MATERIAL CODE AND HEAT NO.			PRODUCT NO.	SERIAL NO.	MATERIAL CODE AND HEAT NO.			PRODUCT NO.
	BODY	BONNET	WEDGE/DISC			BODY	BONNET	WEDGE/DISC	
	F51	F51	F51			F51	F51	F51	
— 46379-100-1	11S01	11S01	T70665	/	— 46379-100-2	11S01	11S01	T70665	/
— 46379-100-3	11S01	11S01	T70665	/	— 46379-100-4	11S01	11S01	T70665	/
— 46379-100-5	11S01	11S01	T70665	/	— 46379-100-6	11S01	11S01	T70665	/
— 46379-100-7	11S01	11S01	T70665	/					



MATERIAL TEST REPORT

EN 10204-2004 3.1

TC No. 46379-100
DATE: 2013.08.05
PAGE: 3 OF 3

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 (JOULE)			
			0.030	2.000	1.000	0.020	0.030	23.00	6.500	3.500	0.200						620	450	25	45	269	TEMP °C	Avg	Min
			21.00	4.500	2.500	0.080																		
BODY	F51	11S01	0.020	1.504	0.541	0.002	0.026	21.76	4.750	2.705	0.180					760	535	44	75	229				
BONNET	F51	11S01	0.020	1.504	0.541	0.002	0.026	21.76	4.750	2.705	0.180					760	535	44	75	229				
WEDGE	F51	T70665	0.022	1.540	0.510	0.014	0.023	21.87	5.960	3.130	0.190					633	461	28	51	248				
STEM	F51	DAH011	0.017	1.260	0.820	0.010	0.024	21.59	4.640	2.590	0.170					659	496	27	45	226				
SEAT RING	F51	N2 T6851	0.028	1.960	0.980	0.018	0.020	22.00	5.000	2.800	0.140					740	630	34	61	197				