



捷流閥業股份有限公司

VALUE VALVES CO., LTD.

MATERIAL TEST CERTIFICATE

MESSRS.: BUTTERFLY VALVES DATE: JAN.07,2009
 ORDER NO.: BC0811/7026-1 CERTIFICATE NO. S2-200802120001-1
 NAME OF MATERIAL: ASTM A126 CLASS B BODY

ITEM SPECIFICATION NO.	CHEMICAL COMPOSITION (%)					REMARK
	P	S				
	0.75 max.	0.15 max.				
84"	0.084	0.074				0325
84"	0.070	0.077				0330

ITEM SPECIFICATION NO.	PHYSICAL PROPERTIES	
	Tensile strength MPa	
	214 min.	
84"	271	
84"	279	

REMARKS:

Q.C. LEADER:



PERSON IN CHECKAGE:





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MESSRS. BUTTERFLY VALVES DATE: JAN.07,2009
ORDER NO. BC0811/7026-1 CERTIFICATE NO. S2-200802120001-2
NAME OF MATERIAL: ASTM A395 DISC

ITEM	CHEMICAL COMPOSITION (%)					
SPECIFICATION	C	Si	P			REMARK
NO.	3.00 min.	2.50 max.	0.08 max.			
84"	3.595	2.395	0.019			0327
84"	3.601	2.421	0.018			0331

ITEM	PHYSICAL PROPERTIES			
SPECIFICATION	Tensile strength MPa	Yield strength MPa	Elongation %	Hardness (HB)
NO.	415 min.	275 min.	18 min.	143~187
84"	454	292	20.2	152
84"	448	296	21.8	149

REMARKS:

Q.C. LEADER:



PERSON IN CHECKAGE:





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MESSRS. BUTTERFLY VALVES DATE: JAN.07,2009
 ORDER NO. BC0811/7026-1 CERTIFICATE NO. S2-200802120001-3
 NAME OF MATERIAL: **ASTM A182 F304 STEM**

ITEM	CHEMICAL COMPOSITION (%)							
SPECIFICATION	C	Si	Mn	P	S	Ni	Cr	REMARK
NO.	0.08 max.	1.00 max.	2.00 max.	0.045 max.	0.030 max.	8.00 11.00	18.00 20.00	
84"	0.01	0.34	1.39	0.027	0.028	8.80	18.19	6S904

ITEM	PHYSICAL PROPERTIES			
SPECIFICATION	Tensile Strength MPa	Yield Strength MPa	Elongation (%)	Reduction of Area (%)
NO.	515 min.	205 min.	30 min.	50 min.
84"	552	303	65	78

REMARKS:
 HEAT TREATMENT: minimum 1040°C and quench cool below 260°C

Q.C. LEADER:



PERSON IN CHECKAGE:

