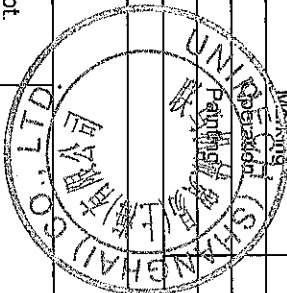


# UNIMECH (SHANGHAI) CO., LTD.

## MILL CERTIFICATION

Product description			Qty	Item	Tag No	Pressure test			Acc. API 598-2016			Valve serial No												
GATE VALVE 1 1/2" 800LB SW BODY BONNET A105N / WEDGE A276 420 / STEM A276 410 / SEAT A276 410 Design API 602						90	12	/	15.2MPa	15S	21.0MPa	15S	15.2MPa	15S	0.6MPa	15S	C2156421-510							
CHEMICAL COMPOSITION																								
Heat No.	10Part Name	Material	C	Si	Mn	P	S	Cr	Ni	Mo	Cu	N	MECHANICAL PROPERTY				Impact test		Hardness					
												Tensile (MPa)	Yield (MPa)	E(%)	R(%)	Temp:								
												15.2MPa	15S	21.0MPa	15S	15.2MPa	15S	0.6MPa	15S	V1	V2	V3		
C27	Body	A105N	0.215	0.233	0.862	0.029	0.021	0.039	0.039	0.013	0.066	0.001	576	317	42	50	/	/	/	166				
C27	Bonnet	A105N	0.215	0.233	0.862	0.029	0.021	0.039	0.039	0.013	0.066	0.001	576	317	42	50	/	/	/	166				
420034	Wedge	420	0.156	0.682	0.829	0.027	0.022	13.239	/	/	/	/	/	/	/	/	/	/	/	210				
410-Z01	Stem	410	0.118	0.606	0.958	0.022	0.025	12.788	/	/	/	/	728	560	21	57	/	/	/	230				
41781	Seat	410	0.145	0.652	0.699	0.020	0.028	12.723	/	/	/	/	712	588	21	53	/	/	/	211				
Material			Method			Temp. °C			Duration			Cooling Method			Furnace type			Surface			Dimension		ACCEPTED	
A105N			Normalized			920			3h			air			Electric			Marking			ACCEPTED		ACCEPTED	
A276 420			Quenched+ Tempered			1000+600			3h			air			Electric			Others Inspection			ACCEPTED		ACCEPTED	
A276 410			Quenched+ Tempered			960+600			3h			air			Electric						N/A		ACCEPTED	
Remarks :																								
We hereby certify that the valve listed above are manufactured and tested in accordance with the requirements of valve standard and purchase order.																								
(Checked by)			He Shengliang			Date			2021.12.24			Quality Dept.												



Sandiao industrial zone, Ubei town, Wenzhou, Zhejiang province, P.R. China. P.C.:325105

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**材质证明书**  
**MATERIAL TEST CERTIFICATE** Acc. EN10204-2004 3.1  
**KOFLOW VALVE GROUP CO., LTD.**

客户名称  
Customer

#REF!

订单号  
Order No.

#REF!

项目名称  
Project Name

N/A

产品描述  
Product description

GATE VALVE 1 1/2" 800LB ,SW  
 BODY BONNET A105N / WEDGE A276 420 / STEM A276 410 / SEAT A276 410  
 Design API 602

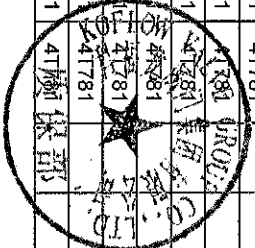
阀门系列号 Valve serial No	阀体 Body	阀盖 Bonnet	闸板 Wedge	阀杆 Stem	阀座 Seat	备注 Comment	阀门系列号 Valve serial No	阀体 Body	阀盖 Bonnet	闸板 Wedge	阀杆 Stem	阀座 Seat	备注 Comment
C2156421	C27	C27	420034	410-Z01	4T781		C2156446	C27	C27	420034	410-Z01	4T781	
C2156422	C27	C27	420034	410-Z01	4T781		C2156447	C27	C27	420034	410-Z01	4T781	
C2156423	C27	C27	420034	410-Z01	4T781		C2156448	C27	C27	420034	410-Z01	4T781	
C2156424	C27	C27	420034	410-Z01	4T781		C2156449	C27	C27	420034	410-Z01	4T781	
C2156425	C27	C27	420034	410-Z01	4T781		C2156450	C27	C27	420034	410-Z01	4T781	
C2156426	C27	C27	420034	410-Z01	4T781		C2156451	C27	C27	420034	410-Z01	4T781	
C2156427	C27	C27	420034	410-Z01	4T781		C2156452	C27	C27	420034	410-Z01	4T781	
C2156428	C27	C27	420034	410-Z01	4T781		C2156453	C27	C27	420034	410-Z01	4T781	
C2156429	C27	C27	420034	410-Z01	4T781		C2156454	C27	C27	420034	410-Z01	4T781	
C2156430	C27	C27	420034	410-Z01	4T781		C2156455	C27	C27	420034	410-Z01	4T781	
C2156431	C27	C27	420034	410-Z01	4T781		C2156456	C27	C27	420034	410-Z01	4T781	
C2156432	C27	C27	420034	410-Z01	4T781		C2156457	C27	C27	420034	410-Z01	4T781	
C2156433	C27	C27	420034	410-Z01	4T781		C2156458	C27	C27	420034	410-Z01	4T781	
C2156434	C27	C27	420034	410-Z01	4T781		C2156459	C27	C27	420034	410-Z01	4T781	
C2156435	C27	C27	420034	410-Z01	4T781		C2156460	C27	C27	420034	410-Z01	4T781	
C2156436	C27	C27	420034	410-Z01	4T781		C2156461	C27	C27	420034	410-Z01	4T781	
C2156437	C27	C27	420034	410-Z01	4T781		C2156462	C27	C27	420034	410-Z01	4T781	
C2156438	C27	C27	420034	410-Z01	4T781		C2156463	C27	C27	420034	410-Z01	4T781	
C2156439	C27	C27	420034	410-Z01	4T781		C2156464	C27	C27	420034	410-Z01	4T781	
C2156440	C27	C27	420034	410-Z01	4T781		C2156465	C27	C27	420034	410-Z01	4T781	
C2156441	C27	C27	420034	410-Z01	4T781		C2156466	C27	C27	420034	410-Z01	4T781	
C2156442	C27	C27	420034	410-Z01	4T781		C2156467	C27	C27	420034	410-Z01	4T781	
C2156443	C27	C27	420034	410-Z01	4T781		C2156468	C27	C27	420034	410-Z01	4T781	
C2156444	C27	C27	420034	410-Z01	4T781		C2156469	C27	C27	420034	410-Z01	4T781	
C2156445	C27	C27	420034	410-Z01	4T781		C2156470	C27	C27	420034	410-Z01	4T781	

He Shengliang

日期  
Date

2021.12.24

质保部  
Quality Dept.





材质证明书  
MATERIAL TEST CERTIFICATE  
KOFLOW VALVE GROUP CO., LTD.  
Acc. EN10204-2004 3.1

客户名称 Customer	#REF!	订单号 Order No.	#REF!	项目名称 Project Name	N/A
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产品描述  
Product description  
GATE VALVE 1 1/2" 800LB SW  
BODY BONNET A105N / WEDGE A276 420 / STEM A276 410 / SEAT A276 410  
Design API 602

阀门系列号 Valve serial No	阀体 Body	阀盖 Bonnet	闸板 Wedge	阀杆 Stem	阀座 Seat	备注 Comment	阀门系列号 Valve serial No	阀体 Body	阀盖 Bonnet	闸板 Wedge	阀杆 Stem	阀座 Seat	备注 Comment
C2156471	C27	C27	420034	410-Z01	4T781		C2156496	C27	C27	420034	410-Z01	4T781	
C2156472	C27	C27	420034	410-Z01	4T781		C2156497	C27	C27	420034	410-Z01	4T781	
C2156473	C27	C27	420034	410-Z01	4T781		C2156498	C27	C27	420034	410-Z01	4T781	
C2156474	C27	C27	420034	410-Z01	4T781		C2156499	C27	C27	420034	410-Z01	4T781	
C2156475	C27	C27	420034	410-Z01	4T781		C2156500	C27	C27	420034	410-Z01	4T781	
C2156476	C27	C27	420034	410-Z01	4T781		C2156501	C27	C27	420034	410-Z01	4T781	
C2156477	C27	C27	420034	410-Z01	4T781		C2156502	C27	C27	420034	410-Z01	4T781	
C2156478	C27	C27	420034	410-Z01	4T781		C2156503	C27	C27	420034	410-Z01	4T781	
C2156479	C27	C27	420034	410-Z01	4T781		C2156504	C27	C27	420034	410-Z01	4T781	
C2156480	C27	C27	420034	410-Z01	4T781		C2156505	C27	C27	420034	410-Z01	4T781	
C2156481	C27	C27	420034	410-Z01	4T781		C2156506	C27	C27	420034	410-Z01	4T781	
C2156482	C27	C27	420034	410-Z01	4T781		C2156507	C27	C27	420034	410-Z01	4T781	
C2156483	C27	C27	420034	410-Z01	4T781		C2156508	C27	C27	420034	410-Z01	4T781	
C2156484	C27	C27	420034	410-Z01	4T781		C2156509	C27	C27	420034	410-Z01	4T781	
C2156485	C27	C27	420034	410-Z01	4T781		C2156510	C27	C27	420034	410-Z01	4T781	
C2156486	C27	C27	420034	410-Z01	4T781								
C2156487	C27	C27	420034	410-Z01	4T781								
C2156488	C27	C27	420034	410-Z01	4T781								
C2156489	C27	C27	420034	410-Z01	4T781								
C2156490	C27	C27	420034	410-Z01	4T781								
C2156491	C27	C27	420034	410-Z01	4T781								
C2156492	C27	C27	420034	410-Z01	4T781								
C2156493	C27	C27	420034	410-Z01	4T781								
C2156494	C27	C27	420034	410-Z01	4T781								
C2156495	C27	C27	420034	410-Z01	4T781								

审核  
(Checked by) He Shengliang  
日期  
Date 2021.12.24  
质保部  
Quality Dept.

