# INSPECTION CERTIFICATE

MESSRS	UNIMECH ENGINEERING (M) SDN. BHD.	Certificate No.
		1020330282-030-01-01
DELIVER TO		<u>Date : 2020/06/04</u>
JOB NAME		
JOB No.		
P.O.No.	AP0-2004-0010	KITZ
PRODUCT CODE		

#### SPECIFICATION

Manuf No.	1020330282-030									
Description	20K DUCTILE IRON GLOBE VALVE FLANGED ENDS	٦								
Figure	20SYB20									
Size	20 mm(A)									
Quantity	6									
Valve No.		٦								
Item No.	30									
Kiki No.										

# MAIN PARTS

No.	Name of parts	Material
001	BODY	Gr. 60-40-18
002	BONNET	Gr. 60-40-18

## TEST

	ludere	Increation	م امنا ا	
Pressure test	Judge.		tiuid a	nd pressure
Shell	Good	Hydro	4.2	MPa
	Good	Air	2.8	MPa
Seat		Hydro	-	
	Good	Air	0.6	MPa
Back seat		Hydro	-	
		Air	-	

Material Test Result

### NONDESTRUCTIVE EXAMINATION

Type of examination and judgement	Attached sheet

#### REMARKS

REPRESENTATIVE TEST BY HYDRAULIC SHELL TEST HAS BEEN PERFORMED

Witnessed by

R. Miyazawa KITZ CORPORATION QC Manager

We hereby certify that the articles listed above are satisfactory in accordance with the requirements of the standard and purchase order.

# MATERIAL TEST RESULT

MESSRS	;						SDN. B							_	tifica	te No.		
											1020330282-030-01-01-Z1							
JOB NA	ME													Date	e :	2020/0	6/04	
JOB No	).																	2
P.O.No PRODUC			AP0-20	004-001	0										K		72	Ζ
TRODUC																• •		
Figure		SYB20	າ								Valve	No						
				05 0-		40.40					Item		30					
	arge		IM A S	895 Gr Displa			Name c	of Pa	arts									
1 138	3						BODY											
2 13 3	-						BONNE	Г										
4																		
			OSITIC															
Elemer			Si *Max		Mn								+					
Spe		in .00	*Max 2.50	Max 0.080														
1		.61	2.59	0.021														
2 3	3	.61	2.60	0.019	0.29													
4	_																	
Elemer Spe																		
	<u> </u>																	
1 2																		
3																		
4																		
TENSI Item	ON TI	EST			Т		.Yield s	+ r	Elongation	1		I MPAC	TEST	1	1			
Unit						Pa	MPa		%									
Spec.						in 15	Min 275		Min									
1						30	275		18 21									
2						30	282		21									
3 4																		
ltem	Hard	ness	Micros	tructure						<u> </u>				<u> </u>				
Unit	HB		%															
Spec.	143 187		Min 90															
1	143		90															
2 3	143		90															
4																		
HEAT	TREA	TMEN	г℃															
Spe	ec.																	
1 2																		
3																		
4 N:N	ormali	izing		A:A	nneali	ing		T:Te	mpering		Q:Q	uenchi	ng	A	C:Air (	Cooling		
	Water		ching			uenching			ater Cooli	ng			e Cooling			-	eatment	t
REMAR		<u> </u>	<u> </u>				<u>.</u>						0.75%					
* Ever EN1020	ry 0.0 04 Ty	01% F pe 2.	2 reduc	tion e	nable	s U.08%	SIINC	reas	se each wi	tnin t	ne max	KIMUM	2.75%.					

Reviewed by

R. Miyazawa

KITZ CORPORATION QC Manager

We hereby certify that the articles listed above are satisfactory in accordance with the requirements of the standard and purchase order.