# INSPECTION CERTIFICATE

MESSRS	UNIMECH ENGINEERING (M) SDN. BHD.	Certificate No.
		1020330662-012-01-01
DELIVER To		Date : 2020/07/03
JOB NAME		
JOB No.		
P.O.No.	AP0-2004-0010	KITZ
PRODUCT CODE		

#### SPECIFICATION

Manuf No.	1020330662-012										
Description	10K DUCTILE IRON GLOBE VALVE FLANGED ENDS										
Figure	10SJBF80										
Size	80 mm(A)										
Quantity	2										
Valve No.											
Item No.	16										
Kiki No.											

## MAIN PARTS

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

### TEST

Pressure test	Judge.	Inspectio	on fluid a	nd pressure
Shell	Good	Hydro	2.1	MPa
	Good	Air	1.4	MPa
Seat		Hydro	-	
	Good	Air	0.6	MPa
Back seat		Hydro	-	
		Air	-	
			•	

Judge.	Attached sheet
Good	Material Test Result
Good	
Good	
Good	
	Good Good Good

### 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

D max

# MATERIAL TEST RESULT

				-						.01								
MESSRS			UNIMECH ENGINEERING (M) SDN. BHD.									Certificate No. 1020330662-012-01-01-Z1						
JOB NA	ME															<u> </u>		
JOB No	).												Da				_	
P.O.No. APO-2004-0010							K		ΓΖ	2								
PRODUCT CODE																		
											1		I					
Figure		SJBF8									Valve		40					
Material ASTM A 395 Gr. 60-40-18 Item No. 16 Charge No. Display No. Name of Parts																		
1 139		<u>NO .</u>			Display No.			Name of Parts BODY										
2 13F	=						BONNET											
3 4																		
	CAL (		OSITIO	N %											:			
Elemer	nt C		Si	Р	Mn													
Spe		in .00	*Max 2.50	Max 0.080														
1				0.018	0.28													
2 3	3.	.61	2.60	0.019														
4																		
Elemer									-									
Spe	c.																	
1																		
2 3																		
4																		
TENSI	ON TE	ST					-					MPACT	T TEST					-
<u>ltem</u> Unit						ensile str Pa	Yield s MPa		Elongation%									
Spec.						in	Min	_	Min									
$\overline{}$						15	275		18									
1 2						25 30	281 282		21 21									
3							-											
4			-															
ltem Unit	Hardr HBW	ness	Micros %	structure														
Spec.	143		Min															
1	187 143		90 90															
2	143		90															
3 4																		
HEAT			 г°^		<u> </u>										1			
Spe	ENERT																	
1		•																
2 3																		
4																		
N:Normalizing A:Annealing WQ:Water Quenching OQ:Oil Quenching						T:Tempering Q:Quenching WC:Water Cooling FC:Furnace Coolin			AC:Air Cooling ng ST:Solution Treatment									
REMAR		GUUIL	, ing	<u> </u>	ייי ענ	snonny					10.	. urnat		1	51.0010			<b>.</b>
* Evei	ry 0.0	01% P	reduc	tion e	nable	s 0.08%	Si inc	reas	e each w	ithin t	he max	cimum	2.75%.					
EN1020	04 Typ	be 2.	2															

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.