# INSPECTION CERTIFICATE

MESSRS	UNIMECH ENGINEERING (M) SDN. BHD.	Certificate No.
		1020330282-009-01-01
DELIVER To		Date : 2020/06/04
JOB NAME		
JOB No.		
P.O.No.	AP0-2004-0010	KITZ
PRODUCT CODE		

#### SPECIFICATION

Manuf No.	1020330282-009								
Description	10K DUCTILE IRON GLOBE VALVE FLANGED ENDS								
Figure	10SJBF15								
Size	15 mm(A)								
Quantity	6								
Valve No.									
Item No.	9								
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

# MATERIAL TEST RESULT

			_														
MESSRS		UNIMECH ENGINEERING (M) SDN. BHD.								Certificate No. 1020330282-009-01-01-Z1							
JOB NAME														ite :			
JOB No.			004 004														2
P.O.No. PRODUCT C	CODE	AP0-20	004-001	0										K			
														• •			
E : au ma	10SJBF	45								Value	. No						
										Valv Item		9					
Mater Charge		TM A 3	395 Gr Displa			Nama a	f Do	vrte		Ttem	NO.	3					
1 138	<u>e NO.</u>				•	BODY	Name of Parts BODY										
2 13F						BONNET	Г										
3 4																	
CHEMICAL	COMP	001710	NI 0/														
	<u>_ comp</u> Ic	Si		Mn	1												
Spec.	Min	*Max	Max								1						
	3.00	2.50	0.080	0.00	. —			_				+					
1 2	3.61 3.61	2.59 2.60	0.021 0.019														
3																	
4 Element																	
Spec.																	
1																	
2 3																	
4																	
TENSION	TEST										IMPAC	T TEST					
ltem			<u> </u>		ensile str.			Elongation					_				
Unit Spec.					IPa lin	MPa Min		<u>%</u> Min									
				4	15	275		18									
1 2					130	281		21									
3				4	130	282		21									
4																	
Item Ha	rdness	Micros	structure														
Unit HB		%															
Spec. 14: 18		Min 90															
1 14		90															
2 14	3	90															
3 4																	
HEAT TRE		т°с						1			I			1	I		
Spec.																	
1																	
2 3																	
3																	
N:Norma				nneal				mpering	I		uenchi			AC:Air	-		
WQ:Wate	er Quen	ching	0Q :	Oil Q	uenching		WC:Wa	ater Cooli	ng	FC	Furnac	e Cooling	9	ST:Solu	tion Tr	eatment	
REMARKS	0.04%	)	+	no - 1		0: :		o ocale	+h:	hc		0 7EN/					
* Every ( EN10204	Type 2	2 reduc	LION E	nadie	es U.U8%	SIINC	reas	e each wi	inin t	ne ma	x i mum	∠.15%.					

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.