INSPECTION CERTIFICATE

MESSRS	UNIMECH ENGINEERING (M) SDN. BHD.	Certificate No.
		1020330662-001-01-01
DELIVER To		<u>Date : 2020/07/03</u>
JOB NAME		
JOB No.		
P.O.No.	AP0-2004-0010	KITZ
PRODUCT CODE		

SPECIFICATION

Manuf No.	1020330662-001
Description	10K DUCTILE IRON GLOBE VALVE SCREWED ENDS
Figure	10SJ1/2
Size	1/2 inch(B)
Quantity	36
Valve No.	
Item No.	3
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.	Inspecti	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	6		UNIME			ING (M)								 Certi	ificate		
JOB NA														10203	330662-00	01-01-01	-Z1
														Date	: 202	0/07/03	
JOB No P.O.No				004-001	0												2
PRODUC		DE	AFU-20	04-00	0											T2	L
Figure	10)SJ1/2	2								Valve	» No					
			- ГМ АЗ	205 Cr	60	40.19					Item		3				
	arge			Displa			Name o	f Pa	rts				•				
1 13	8						BODY										
2 13 3	F						BONNET	Γ									
4																	
CHEMI	CAL	COMP	OSITIO	N %													
Elemer			Si		Mn												
Spe	ес. М			Max 0.080													
1		3.61	2.59	0.021	0.26	3											
2 3	3	8.61	2.60	0.019	0.29	9											
4																	
Elemer							•										•
Spe	C.																
1																	
2																	
3 4																	
TENSI	ON T	EST										IMPAC	T TEST				
ltem		-				ensile str			longation								
Unit						IPa	MPa		<u>//</u>					_			
Spec.						lin 15	Min 275		Min 18								
1					4	130	281	2	21								
2 3					4	130	282	4	21								
4																	
ltem	Hard	Iness	Micros	tructure													
Unit	HBW		%														
Spec.	143 187		Min 90														
1	143		90														
2	143		90														
3 4																	
HEAT	TREA	TMEN	r°C										I	I			
Spe	ЭС.		. .														
1																	
2 3																	
4																	
		izing	hina		nneal				npering Iter Cooli	20		uench i	ng ce Cooling		Air Cool	ing Treatmer	.+
REMAR		Quenc	anng	UQ:	UIIU	uench i ng		wc:wa		ng	FU	rurnac		j 51.	SUIUTION	rreatmer	11
		01% F	, reduc	tion e	nable	es 0.08%	Si inc	rease	e each wi	thin t	he mar	kimum	2.75%				
EN1020	04 Ty	pe 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.