INSPECTION CERTIFICATE

MESSRS	UNIMECH ENGINEERING (M) SDN. BHD.	Certificate No.
		1020330282-014-01-01
DELIVER TO		Date : 2020/06/04
JOB NAME		
JOB No.		
P.O.No.	AP0-2004-0010	KITZ
PRODUCT CODE		

SPECIFICATION

Manuf No.	1020330282-014							
Description	10K DUCTILE IRON GLOBE VALVE FLANGED ENDS							
Figure	10SJBF50							
Size	50 mm(A)							
Quantity	6							
Valve No.								
Item No.	14							
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

R. Miyazawa

MATERIAL TEST RESULT

						1 \						
MESSRS	UNIMECH ENGINEERING (M) SDN. BHD.					Certificate No. 1020330282-014-01-01-Z1						
JOB NAME											020/06/04	
JOB No.	100 0004 00	10										2
P.O.No. PRODUCT CODE	AP0-2004-00	10									T	
TRODUCT CODE												
Figure 10SJBF	50					Valve	No					
Material AS		60 40 49				Item		14				
Charge No.		<u>. 60-40-18</u> ay No.	Name of F	Parts								
1 139		-	BODY									
2 13F 3			BONNET									
4												
CHEMICAL COMP		, <u>,</u>										
Element C Spec. Min	Si P *Max Max	Mn										
3.00	2.50 0.080											
1 3.62	2.66 0.018											
2 3.61 3	2.60 0.019	0.29										
4												
Element Spec.												
1 2												
3												
4												
TENSION TEST		-				<u> </u>	MPACT	TEST				
ltem Unit		MPa	.Yield str. MPa	Elongation %								
Spec.		Min	Min	Min								
1		415 425	275 281	18 21								-
2		430	282	21								
3 4												
Item Hardness	Microstructure								<u> </u>		1	
Unit HB	%											
Spec. 143	Min											
187 1 143	90				-							
2 143	90											
3 4												
HEAT TREATMEN	r°c				1			1				
Spec.	-											
1												
2 3												
4						<u> </u>				0.4.		
N:Normalizing WQ:Water Quenc		nnealing Oil Quenching		empering Water Cooling	a		uenchir Furnac	ng e Cooling		C:Air Coo T:Solutio	oling on Treatmen	nt
REMARKS					<u>,</u>							
* Every 0.01% F EN10204 Type 2.	reduction e	nables 0.08%	Si increa	se each wit	hin t	he max	imum	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.