INSPECTION CERTIFICATE

MESSRS	UNIMECH ENGINEERING (M) SDN. BHD.	Certificate No.
		1020330662-005-01-01
DELIVER To		Date : 2020/07/03
JOB NAME		-
JOB No.		
P.O.No.	AP0-2004-0010	I KITZ
PRODUCT CODE		

SPECIFICATION

Manuf No.	1020330662-005
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

KITZ

TEST

Dressure test	ludge	Increation	fluid and	D.F.0.0011F.0
Pressure test	Judge.	Inspection		pressure
Shell	Good	Hydro	2.1	MPa
	Good	Air	1.4	MPa
Seat		Hydro	-	
	Good	Air	0.6	MPa
Back seat		Hydro	-	
		Air	-	

od od od	Material	Test Result
bd		
bd		

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	UNIMECH ENGINEERING (M) SDN. BHD.								Certificate No. 1020330662-005-01-01-Z1						
JOB NAME															
JOB No.	450.0004	AP0-2004-0010									KITZ				
P.O.No. PRODUCT CODE	AP0-2004	AFV-2004-0010									S Ľ				
										•	•••				
Figure 10SJBF	-15						Valve	No.							
Material AS		5 Gr. 60	0-40-18				ltem		9						
Charge No.		isplay N		Name of	Parts		-								
1 138 2 13F				BODY BONNET			-								
3							1								
4 CHEMICAL COMF		0/					į								
Element C	Si P	Mn													
Spec. Min	*Max Ma														
<u>3.00</u> 1 3.61		. <u>080</u> .021 0.2	6												
2 3.61		.019 0.2													
3 4															
Element															
Spec.															
1															
2 3															
4															
TENSION TEST			Tensile str	Yield str	. Elongati	ion	<u> </u>	MPACI	TEST						
Unit			MPa	MPa	%										
Spec.			Min 415	Min 275	Min 18										
1			430	281	21										
2 3			430	282	21										
4															
Item Hardness		ucture													
Unit HBW Spec. 143	% Min														
187	90														
1 143 2 143	90 90														
3															
4 HEAT TREATMEN	<u> </u>							[
Spec.															
1															
2 3															
4 N:Normalizing		A:Annea	ling	т	Tomporing		0.0	uenchir		۸۰۰۸	ir Cooli-	0			
WQ:Water Quer			ling Quenching	T:Tempering WC:Water Cooling			Q:Quenching FC:Furnace Cooling			AC:Air Cooling ST:Solution Treatment					
REMARKS															
* Every 0.01% EN10204 Type 2	Preductio .2	on enabl	es 0.08%	Si incre	ease each	n within	the max	cimum 2	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.