# INSPECTION CERTIFICATE

MESSRS	UNIMECH ENGINEERING (M) SDN. BHD.	Cer
DELIVER TO		Dat
JOB NAME		
JOB No.		1
P.O.No.	AP0-2004-0010	]
PRODUCT CODE		

#### SPECIFICATION

Manuf No.	1020330282-007
Description	10K DUCTILE IRON GLOBE VALVE SCREWED ENDS
Figure	10SJ11/2
Size	11/2 inch(B)
Quantity	16
Valve No.	
Item No.	7
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.	Inspection	fluid and	pressure	
Shell	Good	Hydro	2.1	MPa	
	Good	Air	1.4	MPa	
Seat		Hydro	-		
	Good	Air	0.6	MPa	
Back seat		Hydro	-		
		Air	-		
	1				

ltem	Judge.	Attached sheet
Material	Good	Material Test Result
Dimension	Good	
Visual	Good	
Operation	Good	
		•

#### NONDESTRUCTIVE EXAMINATION

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.

ate : 2020/06/04



## MATERIAL TEST RESULT

	1			<u>\ I / \</u>				<u> </u>			<u> </u>				
MESSRS	UNIMECH ENGINEERING (M) SDN. BHD.								Certificate No. 1020330282-007-01-01-Z1						
JOB NAME											Da	te :	2020/	06/04	
JOB No.															2
P.O.NO.	AP0-2004	AFU-2004-0010										K			Ζ
PRODUCT CODE															
Figure 10SJ11	/2							Valve	No.	7					
Material AS	TM A 395	Gr. 60-4	0-18	Name	Dente			Item	NO.	1					
<u>Charge No.</u> 1 139		<u>splay No.</u>		Name of BODY	Parts	5									
2 13F				BONNET											
3															
		.,													
CHEMICAL COMF	<u>'USTITON %</u> Tsi Tp	// Mp			<u> </u>										
Spec. Min	*Max Max	x													
3.00	2.50 0.0	080													
1 3.62	2.66 0.0	018 0.28													
3 3.61	2.60 0.0	019 0.29													
4															
Element															
Spec.															
1															
2															
4															
TENSION TEST				•					MPACT	TEST					
ltem		Ten	sile str	Yield str	. Elon	gation									
Unit		MPa	<u>a</u>	MPa	%										
spec.		41	1 5	275	18										
1		42	5	281	21										
2		43	0	282	21										
4															
Item Hardness	Microstrue	cture		•								•			•
Unit HB	%														
Spec. 143	Min														
1 143	90						_								
2 143	90														
3															
	 ⊤°∧	I											L		
Spec	I U														
1															
2															
3															
N:Normalizing		A:Annealin	g	Т	:Temper	ing		Q:Quenching AC:Air Cooling				)			
WQ:Water Quen	ching	OQ:Oil Que	nching	W	C:Wate	r Cooli	ng	FC:Furnace Cooling ST:Solution Treatment					t		
REMARKS															
* Every 0.01% EN10204 Type 2	P reductio .2	on enables	0.08%	Si incr	ease e	ach wi	thin t	he max	cimum 2	2.75%.					

Reviewed by

R. Miyazawa

KITZ CORPORATION QC Manager

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