INSPECTION CERTIFICATE

MESSRS	UNIMECH ENGINEERING (M) SDN. BHD.	Certificate No.
		1020330282-029-01-01
DELIVER TO		Date : 2020/06/05
JOB NAME		
JOB No.		
P.O.No.	AP0-2004-0010	KITZ
PRODUCT CODE		

SPECIFICATION

Manuf No.	1020330282-029									
Description	20K DUCTILE IRON GLOBE VALVE FLANGED ENDS									
Figure	20SYB15									
Size	15 mm(A	()								
Quantity	6									
Valve No.										
Item No.	29									
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	Inspection fluid and pressure							
Shell	Good	Hydro	4.2	MPa						
	Good	Air	2.8	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

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. 1020330282-029-01-01-Z1							
JOB NAM	IE													ate :			
JOB No.		4.00.0	004 004														2
P.O.No. PRODUCT		AP0-2	AP0-2004-0010										K		72		
TRODUCT	OODL													•			
- ·		-								<u>к</u> , т	N						
Figure	20SYB1									Valve Item		29					
	erial AS rge No.	TM A 3	395 Gr Displa			Name c	f Do	orte		TTEM	NO.	23					
1 138	ige No.			ay ino		BODY		1115									
2 13F						BONNET	Г										
3																	
		001710															
Element	AL COMP	Si		Mn							T			[[
	. Min		Max														
	3.00	2.50	0.080														
1 2	3.61 3.61	2.59 2.60	0.021														
3	0.01	2.00		0.20													
4 Element																	
Element Spec				<u> </u>													
1																	
2 3																	
4																	
	N TEST										IMPAC	T TEST					-
ltem			<u> </u>		ensile str			Elongation					_				
Unit Spec.					IPa lin	MPa Min		% Min					+				
				4	15	275		18									
1 2					130	281		21									
3				4	130	282		21									
4																	
Item H	lardness	Micros	structure	•													
	HB	%															
	143 187	Min 90															
	143	90		-													
	143	90															
3 4																	
	REATMEN	т°с						1							I		
Spec																	
1	•																
2 3																	
4																	
N:Noi	rmalizing			nneal				mpering		Q:Quenching AC:Air Cooling							
	ater Quen	ching	OQ:	Oil Q	uenching		WC:Wa	ater Cooli	ng	FC	Furnac	e Coolin]	ST:Solu	ution Tu	eatment	t
REMARK		راب م	41	ng - 1	- 0 00°	0: :			4h:~ '	ha		0 75%					
EN10204	7 0.01% 1 1 Type 2	.2	TION E	nadie	25 0.08%	SIINC	reas	e each wi	inin t	ne ma	x i mum	∠./5%.					

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.