INSPECTION CERTIFICATE

MESSRS	UNIMECH ENGINEERING (M) SDN. BHD.	Certificate No.
		1020330282-012-01-01
DELIVER TO		_Date : 2020/06/04
JOB NAME		
JOB No.		\equiv KITZ
P.O.No.	AP0-2004-0010	
PRODUCT CODE		

SPECIFICATION

Manuf No.	1020330282-012									
Description	10K DUCTILE IRON GLOBE VALVE FLANGED ENDS									
Figure	10SJBF32									
Size	32 mm(A)									
Quantity	4									
Valve No.										
Item No.	12									
Kiki No.										

MAIN PARTS

No.	Name of parts	Material
001	BODY	Gr. 60-40-18
002	BONNET	Gr. 60-40-18

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	-	

Judge.	Attached sheet
Good	Material Test Result
Good	
Good	
Good	
	Good Good Good

NONDESTRUCTIVE EXAMINATION

Type of examination and judgement	Attached sheet

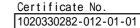
REMARKS

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

				_						.01				_				
MESSRS		U	UNIMECH ENGINEERING (M) SDN. BHD.										Certificate No. 1020330282-012-01-01-Z1					
JOB NA	ME																	
JOB No																2020/		_
P.0.No. APO-2004-0010 PRODUCT CODE											K		72					
PRODUC	I CODE																	
											<u>т</u>							
Figure											Valve		10					
Material ASTM A 395 Gr. 60-40-18 Charge No. Display No. Name of Parts																		
1 139		•				BODY	Name of Parts BODY											
2 13F	-						BONNE	BONNET										
3 4																		
	CAL CO	MPOS		N %														
Elemer	nt C	Si			Mn													
Spe	c. Min 3.0			Max 0.080														
1	3.6			0.080	0.28	;												
2	3.6			0.019														
3 4																		
Elemer																		
Spe	с.																	
1																		
2																		
3 4																		
TENSI	ON TES	т										MPAC	TEST					
ltem						ensile stu De			Elongation									
Unit Spec.						Pa in	MPa Min	_	<u>%</u> Min									
$\overline{}$					4	15	275		18									
1 2						25 30	281 282		21 21									
3						00	202		21									
4																		
ltem	Hardne HB	ss N	Micros %	tructure	-													
<u>Unit</u> Spec.	143		Min															
	187		90															
1 2	143 143		90 90															
3																		
4																		
HEAT Spe	TREATM	ENT T	С							I								
1		I																
2																		
3 4																		
N:Normalizing A:Annealing T:Temperi WQ:Water Quenching OQ:Oil Quenching WC:Water									uenchii				Cooling					
		uench i	ng	0Q:	UILQ	uenching		WC:Wa	ater Cooli	ng	FC:	Furnac	e Cooling		si:Solu	ition T	reatment	t
* Eve		% P r	educ	tione	nahle	5 0 0.8%	Si inc	reas	e each w	ithin t	he may	rimum	2 75%					
EN1020	9 0.01 04 Type	2.2	5440				, 01 110	. 000				, and the second s						

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.