



# MATERIAL TEST RESULT

MESSRS	UNIMECH ENGINEERING (M) SDN. BHD.
JOB NAME	
JOB No.	
P.O.No.	APO-2201-0074
PRODUCT CODE	(TR)R<ZOP02>2

Certificate No.  
1020831160-007-01-01-Z1

Issue Date : 2022/03/22



Figure	R<ZOP02>2	Valve No.	
Material	Other standard	CAC	Item No. 7
Charge No.	Display No.	Name of Parts	
1 21070803-1		BODY	
2			
3			
4			

**CHEMICAL COMPOSITION %**

Element	Cu	Sn	Pb	Zn											
Spec.	79.0	2.0	3.0	4.0											
	87.0	6.0	7.0	12.0											
1	81.5	3.1	5.5	9.6											
2															
3															
4															
Element															
Spec.															
1															
2															
3															
4															

**TENSION TEST**

**IMPACT TEST**

Item			Tensile str.	Elongation					
Unit			N/mm2	%					
Spec.			Min	Min					
1			165	15					
2			239	33					
3									
4									

Item									
Unit									
Spec.									
1									
2									
3									
4									

**HEAT TREATMENT °C**

Spec.		
1		
2		
3		
4		

N:Normalizing      A:Annealing      T:Tempering      Q:Quenching      AC:Air Cooling  
 WQ:Water Quenching      OQ:Oil Quenching      WC:Water Cooling      FC:Furnace Cooling      ST:Solution Treatment

**REMARKS**

JIS G 0415 2.2

\_\_\_\_\_  
 Reviewed by

**KITZ CORPORATION**  
QC Manager

# MATERIAL TEST RESULT

MESSRS	UNIMECH ENGINEERING (M) SDN. BHD.
JOB NAME	
JOB No.	
P.O.No.	APO-2201-0074
PRODUCT CODE	(TR)R<ZOP02>2

Certificate No.  
1020831160-007-01-01-Z2

Issue Date : 2022/03/22



Figure	R<ZOP02>2	Valve No.	
Material	JIS H 3250 C 3771 BE	Item No.	7
Charge No.	Display No.	Name of Parts	
1	030721	CAP	
2			
3			
4			

**CHEMICAL COMPOSITION %**

Element	Cu	Pb													
Spec.	57.0	1.0													
	61.0	2.5													
1	59.0	2.0													
2															
3															
4															

  

Element	Fe+Sn	Zn												
Spec.	Max	Remainder												
	1.0													
1	0.3	REM.												
2														
3														
4														

**TENSION TEST**

**IMPACT TEST**

Item			Tensile str.	Elongation					
Unit			N/mm2	%					
Spec.			Min	Min					
			315	15					
1			435	32					
2									
3									
4									

Item									
Unit									
Spec.									
1									
2									
3									
4									

**HEAT TREATMENT °C**

Spec.				
1				
2				
3				
4				

N:Normalizing      A:Annealing      T:Tempering      Q:Quenching      AC:Air Cooling  
 WQ:Water Quenching      OQ:Oil Quenching      WC:Water Cooling      FC:Furnace Cooling      ST:Solution Treatment

**REMARKS**

JIS G 0415 2.2

\_\_\_\_\_  
 Reviewed by

**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.