

CUSTOMER : Unimech Engineering (M) Sdn Bhd

Report No : 20180701-001

Nomenclature : BRONZE GATE VALVE, F7367 5K

Material : CAC460

P/O No. : ZPO-1802-0012

Date : 01-July-2018

# KEHUI

QINGDAO KEHUI VALVES CO., LTD.

## MILL CERTIFICATE

EN 1024 3.1B

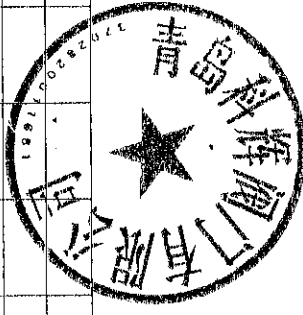
(Chemical & Mechanical)

HEAD OFFICE&PLANT

XINGJIANG VILLAGE NO.386

QINGDAO

NO	SIZE OF TEST PIECE			MECHANICAL PROPERTIES			CHEMICAL COMPOSITION(%)					ITEM&SIZE	Q'TY	HEAT NO.	
	DIA (mm)	G/L (mm)	S/A mm <sup>2</sup>	T/S N/mm <sup>2</sup>	Y/P N/mm <sup>2</sup>	ELONGATION (%)	R/A	Cu	Sn	Zn	Pb				
STD	14.0	50.0	153.9	210min	110min	24min	25%/min								
1	14.0	50.0	153.9	245	150	25.0		85.11	5.02	4.78	4.82	5K-25A	6	K01	
2	14.0	50.0	153.9	240	180	24.5		85.08	5.00	4.75	4.79	5K-32A	4	K01	
3	14.0	50.0	153.9	250	200	26.0		85.05	5.03	4.70	4.80	5K-40A	16	K01	
4	14.0	50.0	153.9	248	198	26.5		85.00	5.01	4.77	4.81	5K-50A	10	1704	
												TOTAL	36		



Others:

KIND	TEST	RESULT	IMPACT TEST (Charpy) N/mm <sup>2</sup>		
			1	2	3
					AV.

### HYDRAULIC TEST

BODY: 7.5 kgf/cm<sup>2</sup>

SEAT: 5.5 kgf/cm<sup>2</sup>

We hereby certify that the material described herein has been satisfactorily tested as above in accordance with the specification.

Written by *[Signature]*

Q.C Section Chief *[Signature]*

CUSTOMER : Unimech Engineering (M) Sdn Bhd

Report No : 20180701-002

Nomenclature : BRONZE GATE VALVE, F7368 10K

Material : CAC460

P/O No. : ZPO-1802-0012

Date : 01-July-2018

**KEHUI**

**QINGDAO KEHUI VALVES CO., LTD.**

**MILL CERTIFICATE**

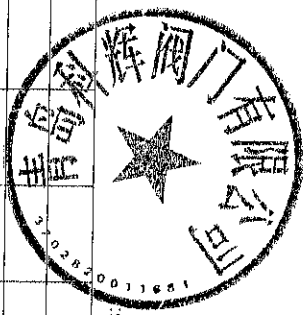
EN 1024 3.1B

(Chemical & Mechanical)

**HEAD OFFICE&PLANT**

XINGJIANG VILLAGE NO.386  
QINGDAO

NO	SIZE OF TEST PIECE			MECHANICAL PROPERTIES				CHEMICAL COMPOSITION(%)				ITEM&SIZE	Q'TY	HEAT NO.	
	DIA (mm)	G/L (mm)	S/A mm <sup>2</sup>	T/S N/mm <sup>2</sup>	Y/P N/mm <sup>2</sup>	ELONGATION (%)	R/A	Cu	Sn	Zn	Pb				
ST'D	14.0	50.0	153.9	210min	110min	24min	23%min								
1	14.0	50.0	153.9	250	200	25.0		85.05	5.01	4.77	4.80	10K-25A	20	K01	
													TOTAL	20	
BENDING TEST	HARDNESS TEST(HB)			IMPACT TEST (Charpy) N/mm <sup>2</sup>				Others:							
KIND	RESULT				1	2	3	AV.							



**HYDRAULIC TEST**  
 BODY: 15 kgf/cm<sup>2</sup>  
 SEAT: 11 kgf/cm<sup>2</sup>

We hereby certify that the material described herein has been satisfactorily tested as above in accordance with the specification.

Written by *[Signature]*  
 Q.C Section Chief *[Signature]*