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CNAS L1061



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Report No. ETC22F330YZ145(1)

# Special Equipment Type Test Report (Lift)

<b>Category of equipment:</b>	Lift safety protection component
<b>Type of equipment:</b>	Buffer
<b>Name of product:</b>	Hydraulic buffer
<b>Model of product:</b>	CYOB-76/207
<b>Manufacturer:</b>	ZhenJiang ChaoYang Electromechanical Scientifical Co.,Ltd
<b>Applicant:</b>	ZhenJiang ChaoYang Electromechanical Scientifical Co.,Ltd
<b>Category of type test:</b>	Second verification
<b>Test date:</b>	2022-09-21

Shanghai Jiao Tong University Elevator Test Center

# NOTICES

- 1、 The report is the result of the type test according to the TSG T7007-2022 *Regulation for Type Test of Lifts*.
- 2、 The report shall be printed by computer and be invalid with any modification.
- 3、 The report will be invalid without the signature of approver、 verifier and tester .It will also be invalid without the approval certificate、 the cross-page official stamp of the type test entity.
- 4、 Type test report is only valid for the sample.
- 5、 It is forbidden to copy the report partly without the permission of the type test organ. The partly copied report will be invalid.
- 6、 Any dissents to the report must be put forward to the type test organ within 15 working days from receiving it. Otherwise, it is considered that the report is accepted.
- 7、 The test samples shall be handled according to relevant regulations except that they are not returned due to legitimate losses.
- 8、 The report is made in quadruplicate, one for the type test organ and three for the applicant.
- 9、 Type test report and certificate should be subject to the Chinese version, while the English version is for reference only.
- 10、 The addresses of Elevator Test Center, Shanghai Jiaotong University are as follows:

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**Fax : +86-21-61267037 to 812**

**Zip code: 201108**



Category of equipment	Lift safety protection component	Type of equipment	Buffer
Name of product	Hydraulic buffer	Model of product	CYOB-76/207
Serial number of product	22090001	Date of manufacture	2022-09-01
Applicable product model(s)	N/A		
Applicant	ZhenJiang ChaoYang Electromechanical Scientifical Co.,Ltd		
Registered address of applicant	No.688, Youfang town, Yangzhong City, Jiangsu Province ,China		
Unified social credit code	91321100608892529A		
Manufacturer	ZhenJiang ChaoYang Electromechanical Scientifical Co.,Ltd		
Registered address of manufacturer	No.688, Youfang town, Yangzhong City, Jiangsu Province ,China		
Unified social credit code	91321100608892529A		
Manufacturing address	No.688, Youfang town, Yangzhong City, Jiangsu Province ,China		
Location of test	No.688, Youfang town, Yangzhong City, Jiangsu Province ,China		
State of sample	No abnormal	Test date	2022-09-21
Test conditions	No abnormal	Category of type test	Second verification
Test basis	TSG T7007-2022 <i>Regulation for Type Test of Lifts</i> , GB/T 7588.1-2020, GB/T 7588.2-2020, ISO 8100-1:2019, ISO 8100-2:2019, EN 81-20:2014(EN 81-20:2020), EN 81-50:2014(EN 81-50: 2020)		
Test Conclusion	Certificated.		
Tested by:	Date:2022-10-26	Approval certificate of type test organ:  TS7610022-2025  Shanghai Jiao Tong University Elevator Test Center Issue date: 2022-10-09 Revision date: 2022-10-26	
Verified by:	Date:2022-10-26		
Approved by:	Date:2022-10-26		



## 1、 Technical parameters and configuration of sample

Rated speed	$\leq 1.75\text{m/s}$	Maximum impact speed	$\leq 2.01\text{m/s}$
Minimum mass	250kg	Maximum mass	3500kg
Maximum buffer stroke	207mm	Specification and volume for the liquid used	L-HM68, 0.58L
Throttling mode	Conicity	Return mode	External spring return

## 2、 Check and test of the sample

No.	Items No.	Check and test items	Check and test results	Conclusion
1	N6.2.1	Buffer Stroke	Comply with requirements	Pass
2	N6.2.2	Electric safety device	Comply with requirements	Pass
3	N6.2.3	Impact test	Comply with requirements	Pass
4	N6.5	Nameplate	Comply with requirements	Pass

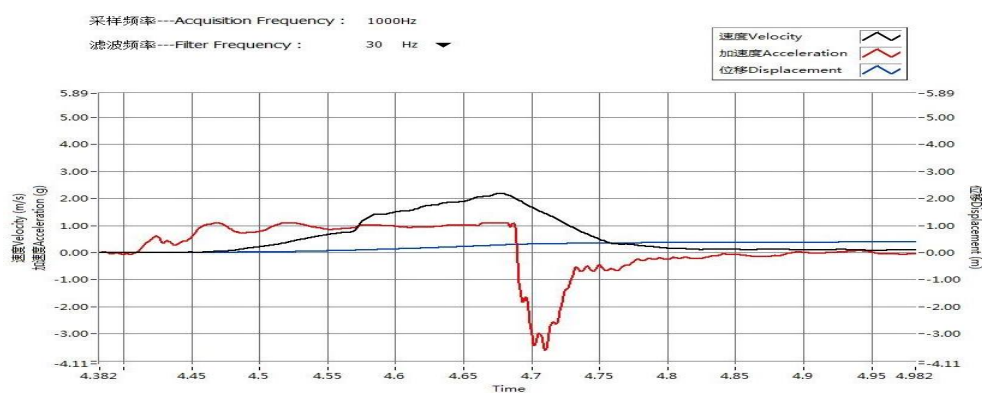


### Appendix

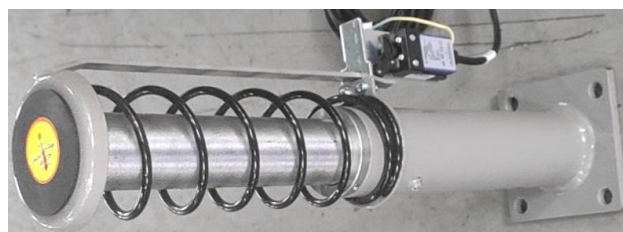
#### 1. Test items and results

Items	Test results
Mass(kg)	250
Height of free fall(mm)	222
Impact speed(m/s)	2.01
Maximum retardation ( $g_n$ )	3.62
Average retardation ( $g_n$ )	0.86
Period of retardation greater than $2.5g_n$ (s)	0.021
Period of reaching the position of complete return after impact test (s)	6
Maximum buffer stroke (mm)	207
Ambient temperature( $^{\circ}C$ )	24
Checking of the liquid losses after an interval of 30 min	The level of liquid shall again be sufficient to ensure normal operation
Checking of the condition of the buffer after tests	Normal

#### 2. Test curves



#### 3. Photo of the sample





#### 4. Other information

(1) This type test is the verification of conformance with the performance of sample in the first test and the parameters and configuration in the Type Test Certificate according to the TSG T7007-2022 *Regulation for Type Test of Lifts*.

(2) At the request of the applicant, in order to improve the test efficiency, this component test is conducted in the test site of the applicant.

(3) This English report is a translated version of the Chinese report and is issued on the same date as the Chinese report.

#### 5. Revise(s) of the type test report

No.	Item	Original description	Revised description	Revision date
1	Applicant	Zhenjiang Chaoyang Machinery and Electrical Co., Ltd	ZhenJiang ChaoYang Electromechanical Scientifical Co.,Ltd	2022-10-26
2	Manufacturer	Zhenjiang Chaoyang Machinery and Electrical Co., Ltd	ZhenJiang ChaoYang Electromechanical Scientifical Co.,Ltd	2022-10-26