



中国认可
国际互认
检测
TESTING
CNAS L1061



Report No. ETC23F330YZ113

Special Equipment Type Test Report (Lifts)

Category of equipment:	Lift safety protection component
Type of equipment:	Buffer
Name of product:	Hydraulic buffer
Model of product:	CYOB-47/207
Manufacturer:	ZhenJiang ChaoYang Electromechanical Scientifical Co.,Ltd
Applicant:	ZhenJiang ChaoYang Electromechanical Scientifical Co.,Ltd
Category of type test:	Third verification
Test date:	2023-09-02

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. It is forbidden to copy the report partly without the permission of the type test organ. The partly copied report will be invalid.
- 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、 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.
- 6、 The test samples shall be handled according to relevant regulations except that they are not returned due to legitimate losses.
- 7、 The addresses of Elevator Test Center, Shanghai Jiaotong University are as follows:

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Category of equipment	Lift safety protection component	Type of equipment	Buffer
Name of product	Hydraulic buffer	Model of product	CYOB-47/207
Serial number of product	F33052P202306060 0205	Date of manufacture	2023-06-04
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	2023-09-02
Test conditions	No abnormal	Category of type test	Third 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: _____		Approval certificate of type test organ: TS7610022-2025 Shanghai Jiao Tong University Elevator Test Center 2023-09-21	
Date:2023-09-21			
Verified by: _____			
Date:2023-09-21			
Approved by: _____			
Date:2023-09-21			



1、 Technical parameters and configuration of sample

Rated speed	$\leq 1.75\text{m/s}$	Maximum impact speed	2.01m/s
Minimum mass	250kg	Maximum mass	3500kg
Maximum buffer stroke	207mm	Specification and volume for the liquid used	ISO VG68, 1.13L
Throttling mode	Conicity	Return mode	Internal 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

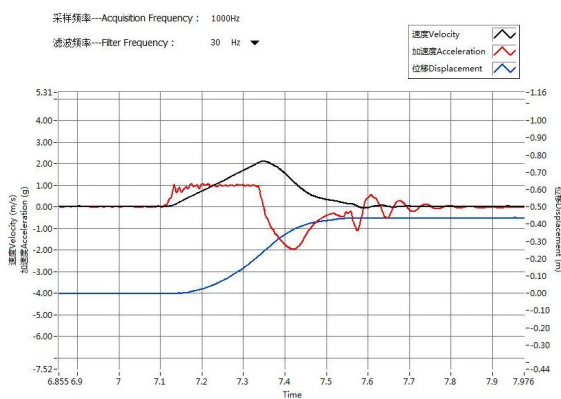


Appendix

1. Test items and results

Items	Test results
Mass(kg)	3500
Height of free fall(mm)	222
Impact speed(m/s)	2.01
Maximum retardation (g_n)	1.97
Average retardation (g_n)	0.85
Period of retardation greater than $2.5g_n$ (s)	0
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 of the buffer.
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. Revision (s) of the type test report

None.