Test Report No.: 01 220 CHN/T-1901185_EN

Test Report

Client:	ANHUI HAODING PRODUCT LIMITED COMPANY
Client address:	WEILIU ROAD, CHAHE ECONOMIC DEVELOPMENT ZONE, LAIAN, ANHUI PROVINCE, CHINA
Contact information:	Tel.: 13675166753 Mail: wjf-maomao@163.com
Sample No.:	SHM20190301185(on-site witness test)
On-site address:	801 Xinglong Rd, Wuyi Town, Chuzhou City, Anhui Province, China
Sample receiving date:	Mar.20, 2019
Testing period:	Mar.20, 2019~Mar.29, 2019

Test report 01 220 CHN/T-1901185 exists in two official versions, English version and Chinese version, with suffixes "_EN" and "_CN" following test report No. to distinguish respectively.

For and on behalf of
TÜV Rheinland (Shanghai) Co., Ltd.

Mar.29, 2019	Baker Zhang Metal Materials Lab Lab Supervisor	Yixiang Shen Metal Materials Lab Technical Manager
Date	Name	Name

TÜV Rheinland (Shanghai) Co., Ltd. TÜV Rheinland Building, No.153, 165, 177, 178, Lane 777, West Guangzhong Road, Jing'an, Shanghai 200072, P.R. China
Tel.: +86 21 6108 1188 Fax: +86 21 6108 1099 Mail: service-gc@tuv.com Web: www.tuv.com

1. Sample information (provided by customer):

Sample name: Ringlock system scaffolding

Sample description: A set of ringlock system scaffolding

Sample obtaining method: ☑ Sending by customer ☐ Sampling by TÜV staffs
☐ Other ( )

Other information: Material and Mark: Q235;
Manufacturer: ANHUI HAODING PRODUCT LIMITED COMPANY.

Component	Specification	Weight	Quantity
Ringlock vertical	Φ48×3.25×2000mm	10.8kg	12
Ringlock horizontal	Φ48×2.75×1500mm	5.2kg	16
Ringlock bracing	Φ33×2.5mm, 1500mm×2000mm	5.7kg	8
U-head base jack	Φ38×4×600mm, 180×150×5mm	3.6kg	4
Adjustable screw base jack	Φ38×4×600mm, 150×150×5mm	3.3kg	4

TÜV Rheinland (Shanghai) Co., Ltd. TÜV Rheinland Building, No.153, 165, 177, 178, Lane 777, West Guangzhong Road, Jing'an, Shanghai 200072, P.R. China
Tel.: +86 21 6108 1188 Fax: +86 21 6108 1099 Mail: service-gc@tuv.com Web: www.tuv.com

2. Sample installation and sample photo(s) before test:

The scaffold system for test is assembled as per customer's requirement as shown in the following picture. It is installed with one bay wide and one bay long, by three lifts high. The scaffold is consists of four vertical stand columns with adjustable leg extended to 200mm and with ringlock bracing installed all around during test.

3. Test result:

Testing of system configurations：

Test method: EN 12811-3:2003 Clause 8 & customer's requirement

Apply a vertical load distributed to the four stand columns via steel I-beams shown as following, increase the test load progressively at a rate of 0.5kN/s till the scaffold system shows visible structural failure, record the maximum load.

Test height	Maximum load (kN)	Maximum load per leg (kN)	Failure mode
6.2m	153.0	38.25	The stands were bent and the load cannot be increased usefully.

Note: The maximum load includes the weight of loading beams. The material of I-beam is 28b, 3pcs 1.5 meters in length, total weight is 215.5kg (The information is provided by the customer, who are responsible for its authenticity).

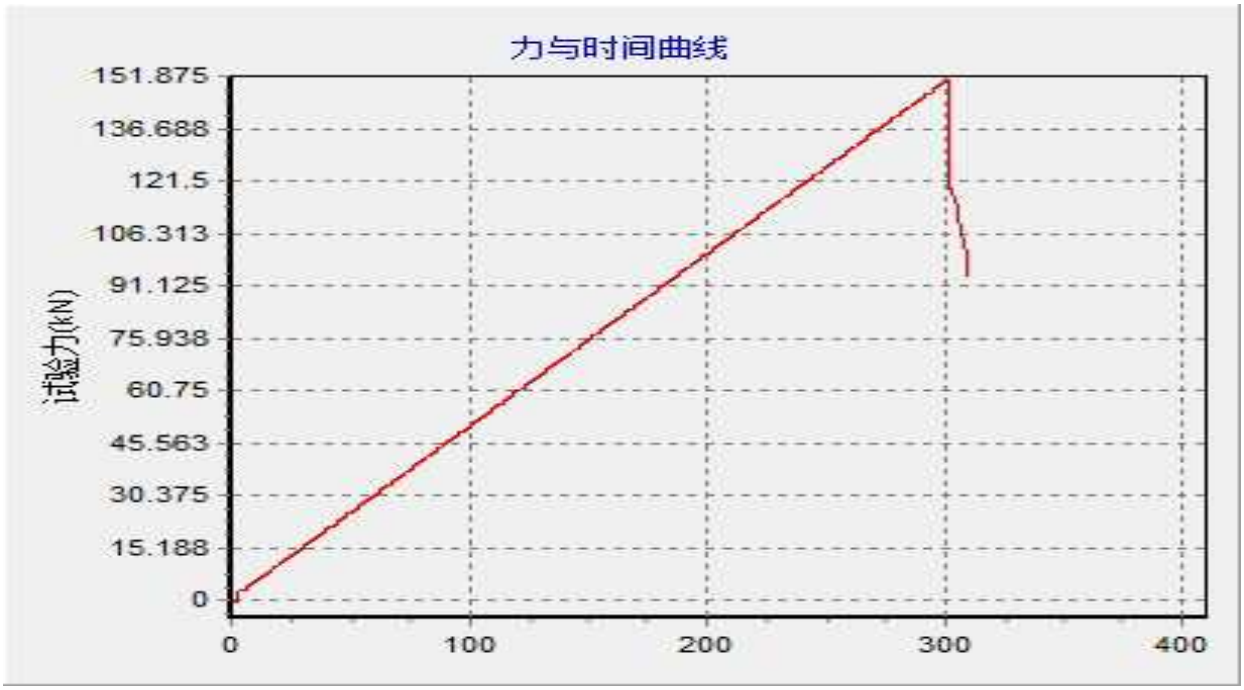
TÜV Rheinland (Shanghai) Co., Ltd. TÜV Rheinland Building, No.153, 165, 177, 178, Lane 777, West Guangzhong Road, Jing'an, Shanghai 200072, P.R. China
Tel.: +86 21 6108 1188 Fax: +86 21 6108 1099 Mail: service-gc@tuv.com Web: www.tuv.com

Test photos:

During test

After test

Test curve:



--- END ---

TÜV Rheinland (Shanghai) Co., Ltd. TÜV Rheinland Building, No.153, 165, 177, 178, Lane 777, West Guangzhong Road, Jing'an, Shanghai 200072, P.R. China
Tel.: +86 21 6108 1188 Fax: +86 21 6108 1099 Mail: service-gc@tuv.com Web: www.tuv.com