Dated: 2023-07-21



**Applicant:** GUANGXI EVENT-BROTHER STAGING PRODUCTIONS CO.,LTD. **Address:** Room.909&911,Zonghe Building,Jianlong Industrial Zone,No.96 Jinkai

Road, Nanning City, Guangxi, China

Sample Submission: The sample was submitted by applicant and identified.

Product Name: Aluminum truss

Order No.:

Identification/Style No.: TS-300B

Manufacturer: EVENT-BROTHER(FOSHAN)STAGING EQUIPMENT MANUFACTURING CO.,LTD

Country of Origin: China

Buyer: / Export to: /

Receipt Date of Sample: 2023-07-20

**Date of Testing:** From 2023-07-20 to 2023-07-21

Test Result: Refer to the data listed in following pages

### Test Specification(s) or Test Item(s):

1. Loading test according to client's requirements

**Conclusions:** 

See Test Results

Hardline Laboratory

TÜV SÜD Certification and Testing (China) Co., Ltd. Grangzhou Branch Testing Center

STING (CH

Tested By:

Steven Pan

**Project Handler** 

Reviewed By:

**Adam Hou** 

**Designated Reviewer** 

Note: (1) "General Terms & Conditions" applied. For full version, please visit: <a href="http://www.tuvsud.cn/cn-scn/terms-and-conditions">http://www.tuvsud.cn/cn-scn/terms-and-conditions</a>
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Laboratory: TÜV SÜD Testing Center, No. 63 Chuangqi Road, Shilou Town, Panyu Distric, Guangzhou, P.R. China Telephone: +86 020 3832 0668 Telefax: +86 020 3832 0478 http://www.tuv-sud.cn

TÜV SÜD Certification and Testing (China) Co., Ltd. Guangzhou Branch 5F, Communication Building, 163 Pingyun Rd, Huangpu West Ave. Page 1 of 4

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# **Description of the test subject:**

1	Product Description	Aluminum truss				
2	Dimensions	Overall Dimension:	15m L x 289mm W x 289mm H			
		Main tube (mm):	Dia. 50 x T 3.0			
		Vice tube (mm):	Dia. 30 x T 2.0			
		Brace tube (mm):	Dia. 25 x T 2.0			

## Sample photo(s)



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#### **Test Results**

Loading test according to client's requirements

Test item	Requirement ~ Test	Measuring result ~ Remark	Verdict
Loading test	The nominal loads were applied and the deflections were measured.  Uniformly distributed load (UDL) The truss was supported by two rigid frames at two ends to reach a certain span tested according to Figure 1.  Then the specified nominal load was uniformly distributed on the truss.  Measured the deflection under this loading condition. Check if any damage during and after test.  Load  Figure 1	Details see the following table 1 and table 2	/

Table 1

Item						T	est Da	ıta					
Span, (m)				Į, V			14						
Uniformly distributed load, (kg)	700												
Loading point	1	2	3	4	5	6	7	8	9	10	11	12	13
Distance from bottom of truss to the ground prio to Test, (mm)	763	755	755	745	746	735	730	726	724	732	739	738	736
Distance from bottom of truss to the ground in loading Test, (mm)	720	665	630	600	580	556	545	544	555	585	615	646	680
Measured deflection, (mm)	43	90	125	145	166	179	185	182	169	147	124	92	56
Test results	No visible damage was found during and after test.												

Remark: Measuring points are marked every one meter.

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Table 2

Span, (m)	Uniformly distributed load, (kg)	Central deflection, (mm)
14	700	183.5

## **TESTING PHOTO**



#### Remark:

1. The test results exclusively based on the submitted sample.

-End of Test Report-