



# Test Report

No.: 64.190.24.0432.01-00

Dated: 2024-06-12

**Applicant:** GUANGXI EVENT-BROTHER STAGING PRODUCTIONS CO., LTD.  
**Address:** Room.909&911,Zonghe Building,Jianlong Industrial Zone,No.96 Jinka Road,Nanning City.Guangxi,China.  
**Sample Submission:** The sample was submitted by applicant and identified.  
**Product Name:** TS-400G Series Aluminum truss  
**Order No.:** /  
**Identification/Style No.:** TS-400G Series Aluminum truss  
**Manufacturer:** EVENT-BROTHER(FOSHAN)STAGING EQUIPMENT MANUFACTURING CO.LTD  
**Country of Origin:** China  
**Buyer:** /  
**Export to:** /  
**Receipt Date of Sample:** 2024-06-05  
**Date of Testing:** From 2024-06-05 to 2024-06-05  
**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. Guangzhou Branch Testing Center

Tested By:

*Mac Xiao*

Mac Xiao  
Project Handler



Reviewed By:

*Steven Pan*

Steven Pan  
Designated Reviewer

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## Description of the test subject:

1	Product Description	TS-400G Series Aluminum truss	
2	Dimensions	Overall Dimension:	16m L x 400mm x 400mm
		Main tube (mm):	Dia. 50 x T 4.0
		Vice tube (mm):	Dia. 30 x T 3.0
		Brace tube (mm):	Dia. 30 x T 3.0

## Sample photo(s)



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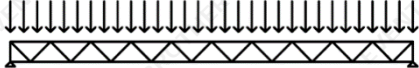
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## Test Results

### 1. Loading test according to client's requirements

Test item	Requirement ~ Test	Measuring result ~ Remark	Verdict
Loading test	<p>The nominal loads were applied and deformations were measured 30 minutes after load</p> <p><b>1. Uniformly distributed load (UDL)</b></p> <p>The truss was supported by two rigid frames at two ends to reach a certain span tested according to Figure 1. The load was uniformly distributed on the truss and the deflection under this loading condition was measured accordingly.</p> <p>Load</p>  <p>Figure 1</p>	Details see the following appendix 1 and appendix 2	/

### Appendix 1

Item	Test Data
Span, (m)	15
Uniformly distributed load, (kg)	1000
Test results	No visible damage was found during and after test.

Remark: Measuring points are marked every meter.

Loading point	1	2	3	4	5	6	7	8	9	10
Distance from bottom of truss to the ground prior to Test, (mm)	850	845	835	845	847	856	860	863	847	846
Distance from bottom of truss to the ground in loading Test, (mm)	828	799	776	770	761	763	763	766	755	762
Measured deflection, (mm)	22	46	59	75	86	93	97	97	92	84

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Loading point	11	12	13	14	15
Distance from bottom of truss to the ground prior to Test, (mm)	844	845	841	839	850
Distance from bottom of truss to the ground in loading Test, (mm)	771	785	801	818	846
Measured deflection, (mm)	73	60	40	21	4

## Appendix 2

Span, (m)	Uniformly distributed load, (kg)	Central deflection, (mm)
15	1000	101

## TESTING PHOTO



### Remark:

1. The test results exclusively based on the submitted sample.
2. Specific requirement of test report as per clause 7.8.3 of CNAS-CL01-2018 or other accreditation scheme, such as: remark of subcontract information or on-site testing information.

### Disclaimer Measurement Uncertainty:

Unless otherwise agreed upon, Pass or Fail verdicts are given based on the measured values without any considerations of measurement uncertainties.

Please note, every test method has a measurement uncertainty which has been evaluated by the laboratory according to ISO/IEC 17025 requirements.

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By taking measurement uncertainties into account it might happen that measured values can neither be assessed as PASS nor as FAIL.

-End of Test Report-

