



Test Report

No.: 64.190.23.0478.01-00

Dated: 2023-08-24

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-400A
Manufacturer: EVENT-BROTHER(FOSHAN)STAGING EQUIPMENT MANUFACTURING CO.,LTD
Country of Origin: China
Buyer: /
Export to: /
Receipt Date of Sample: 2023-08-16
Date of Testing: From 2023-08-16 to 2023-08-16
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:

Steven Pan
Project Handler

Reviewed By:

Adam Hou
Designated Reviewer



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Description of the test subject:

1	Product Description	Aluminum truss	
2	Dimensions	Overall Dimension:	15m L x 400mm W x 400mm H
		Main tube (mm):	Dia. 50 x T 3.0
		Vice tube (mm):	Dia. 50 x T 2.0
		Brace tube (mm):	Dia. 25 x T 2.0

Sample photo(s)



Test Results

1. Loading test according to client's requirements

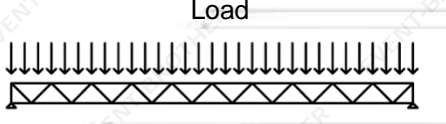
Test item	Requirement ~ Test	Measuring result ~ Remark	Verdict
Loading test	<p>The nominal loads were applied and the deflections were measured. Uniformly distributed load (UDL) The truss was supported by two rigid frames at two ends to reach a certain span tested according to Figure 1. Then the specified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

Table 1

Item	Test Data												
	Span, (m)	14											
Uniformly distributed load, (kg)	800												
Loading point	1	2	3	4	5	6	7	8	9	10	11	12	13
Distance from bottom of truss to the ground prior to Test, (mm)	560	562	558	555	552	556	554	556	555	562	572	578	576
Distance from bottom of truss to the ground in loading Test, (mm)	535	515	491	474	457	454	449	454	461	480	507	532	550
Measured deflection, (mm)	25	47	67	81	95	102	105	102	94	82	65	46	26
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)
13	800	105

TESTING PHOTO



Remark:

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

-End of Test Report-