

**Technical Report No. 028-70093545-300**

Competence.  
Certainty.  
Quality.

**Rev. 0**

**Dated 27.09.2005**

Client: Bellelli S.R.L  
Via Meucci 232  
  
45021 BADIA POESINE (RO)  
  
Hr. Sacchetto

Manufacturing place: Bellelli S.R.L  
Via Meucci 232  
45021 BADIA POESINE (RO)

Test subject: Product: Bicycle Trailer for children  
  
Type: Trail Tots

Test specification: PP50036

Purpose of examination: Re-test according to the test specification

The test of the bicycle trailer "Trailer tots" came to a positive test results.

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## 1 Description of the test subject

### 1.1 Function

*Bike trailer for transportation of children up to 7 years of age.*

Manufacturer's specification for predictive misuse:

(-)

### 1.2 Technical Data

Parameters:	Dimension:	
	Weight:	14,5 kg
	Length:	900 mm (without shaft)
	Height:	980 mm
	Breadth:	790 mm
	Material :	Plastic base, Alu frame
	Colour:	Yellow

### 1.3 Picture of the product



## **2 Order**

### **2.1 Date of Purchase Order, Customer's Reference**

Hr. Casazza

### **2.2 Receipt of Test Sample, Location**

### **2.3 Date of Testing**

23.02.2005 -- 7.04.2005

### **2.4 Location of Testing**

TÜV Product Service GmbH, München - Ridlerstrasse 65

### **2.5 Points of Non-compliance or Exceptions of the Test Procedure**

None

## **3 Test Results**

### **3.1 Positive Test Results**

- Mechanical safety
- Functional safety

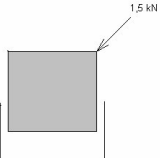
### 3.3 Evaluation:

**Y** = fulfilled  
**N** = not fulfilled, critical deviation  
**n** = not fulfilled, further deviation  
**na** = Not applicable  
**h** = Hint, remark

Test topic	Prüfung	Remark	Result
<b>1</b>	<b>Legal regulations of the StVZO</b> The requirements for the transport of children with a bicycle carrier can be found in § 67 of the StVZO		<b>h</b>
<b>1.1</b>	<b>Dimension of the Trailer</b> (StVZO §67 Pt. 11.2 / 19.2.3)		<b>Y</b>
<b>1.2</b>	<b>Wheels</b> (StVZO §67 Pt. 11.4)		<b>Y</b>
<b>1.3</b>	<b>Brakes</b> (StVZO §67 Pt. 11.5 / 19.2.4 / 19.2.5 / Anhang1)	Up to a total load of 40kg no brake is needed	<b>na</b>
<b>1.4</b>	<b>Clutch</b> (StVZO §67 Pt. 19.2.2)	The new hook was re-tested positive. The connection belt (black with the hook) is important for the safety of the clutch. The usage should be clearly advised in the instruction. Please send a technical documentation for the hook.	<b>Y</b>

<b>1.5</b>	<b>Light equipment</b> (StVZO §67 Pt. 19.3)		Y
<b>2</b>	<b>General request</b>		Y
<b>2.1</b>	<b>Maximal load capacity</b> (StVZO §67 Pt. 19.2.4)	The max. total load of the trailer is 40kg (without brake). Total load: 40,0kg Unladen weight: 14,5kg Pay load: 25,5kg Draft label is shown on the test sample.	Y
<b>2.2</b>	<b>Tyres</b> (StVZO §67 Pt. 11.4)		Y
<b>2.3</b>	<b>Other requests and safety marks</b> (StVZO §67 Pt. 19.2.9)		Y
<b>3</b>	<b>Construction</b> (StVZO §67 Pt. 19.2.1)		Y
<b>3.1</b>	<b>Caught</b> (EN 1888 Pt. 6.1)		Y
<b>3.2</b>	<b>Gaps and openings</b> (EN 1888 Pt. 6.1.2)		Y
<b>3.3</b>	<b>Sharp edges, points and corners</b> (EN 1888 Pt. 6.1.3)		Y
<b>3.4</b>	<b>Small parts</b> (EN 1888 Pt. 6.1.4/5)		Y
<b>3.5</b>	<b>Attachment of mechanical parts</b> (EN 1888 Pt. 6.1.6)		Y
<b>3.6</b>	<b>Cords, strings and other narrow fabrics</b> (EN 1888 Pt. 6.1.7)		Y
<b>3.7</b>	<b>Pram body or seat unit internal lining</b> (EN 1888 Pt. 6.1.7)		Y

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<b>4</b>	<b>Kind of the seats and stability of the seat-belt</b> (StVZO §67Anhang 2.4)		Y
<b>4.1</b>	<b>Fastening system</b> (EN 1888 Pt. 15)		Y
<b>4.2</b>	<b>Back of the seat</b> (EN 1888 Pt. 6.2.2)		Y
<b>5</b>	<b>Stability of the vehicle facing sideways</b> (StVZO §67 Pkt. 19.2.6)		Y
<b>6</b>	<b>Stability of the trailer</b> (StVZO §67 Pt. 19.2.7)		Y
<b>7</b>	<b>Performance during the driving test</b>		Y
<b>8</b>	<b>Safety tests</b> (StVZO §67 Pt. 19.2.8)		Y
<b>8.1</b>	<b>Crash test</b> (StVZO §67 Anhang 2 Pt.1)		Y
<b>8.2</b>	<b>Headroom test</b> (StVZO §67 Anhang 2 Pt. 2)	A draft label with the marking was attached to the test sample.	Y
<b>8.3</b>	<b>Loading test of the frame</b> (StVZO §67 Anhang 2 Pt. 3)		Y
			
<b>9</b>	<b>Material</b>		Y
<b>9.1</b>	Cold and heat resistant from -10° to +60°		Y
<b>9.2</b>	<b>Salt spray test</b> The carrier must be protected against corrosion.	Certificate (screws, axels, etc.) should be submitted by the	h

		manufacturer	
<b>9.3</b>	<b>Chemical properties</b> (EN 71-3) <i>Migration of heavy metals</i>		Y
<b>9.4</b>	<b>Salvia and perspiration</b> (LMBG)		Y
<b>9.5</b>	<b>Flammability</b> (EN 71-2)		Y
<b>10</b>	<b>Product information</b>		Y
<b>10.1</b>	<b>Instruction for use</b>	There is a draft instruction manual with the test sample. Drawings for mounting are missing.	Y
<b>10.2</b>	<b>Labelling</b> (StVZO §67 Pt. 19.2.9)		Y
<b>10.3</b>	<b>Purchase information</b> (EN 1888 Pt. 21.3)	There was no packaging with the test sample	Y

#### 4 Test sample - storage

If we get no other information within the next two weeks, the lab will dispose the test sample.

#### 5 Documentation

For certification we need a set of technical documentation (technical drawings, part list, information on the materials used, etc.) of the product.

## 6 Summary

During the safety examination of the product no critical deviations were found.

TÜV PRODUCT SERVICE GMBH

Engineer

Ziegler Robert

TEC Region South

Technical Report checked: