

TÜV NORD Mobilität GmbH & Co. KG

Certificate of tests for load securing and strength of
vehicle superstructures in accordance with
DIN EN 12642 Annex B (2007-01)

LS 05111029-Z1-A2

1 Details of vehicle

Vehicle manufacturer	Lawrence David Ltd Shrewsbury Avenue PE2 7BY Peterborough (GB)
Vehicle body	Lawrence David Pillarless Semi Trailer Produce 244
Vehicle body type	Curtainsider
Vehicle ID number / body number	Please Refer to Chassis Plate
Max. payload in [kg]	29,000
Max. clearance dimensions L x W x H in [mm]	13,500 x 2,550 x 3,100

2 Details of vehicle fittings

**Proven acceleration
(DIN EN 12642, Annex B)**

Head board

0.8 g

- Steel corner posts
- Fill board of glass fibre reinforced plywood board

Side walls

0.5 g

- Sliding curtain with polyester backing material
- 21 vertical welded straps, overcentre tensioners with additional interlocks; horizontal welded straps, spacing maximum 600 mm

Rear wall

0.5 g

- Steel rear frame, double doors, sandwich design, minimum 4 hinges and 2 internal rotatable lock bars per door

Roof

- Fixed steel roof, comprising longitudinal beams, cross bars and sheet metal skin.

Floor

- Floor with inserted screen print boards or hard wood

The condition of the vehicle superstructure shall be inspected by a qualified person by the vehicle owner/user once per annum in accordance with VDI 2700 and documented in accordance with manufacturer specifications.

3 Details/conditions of loading

- Sliding friction coefficient $\mu_D \geq 0.3$
- Interlocking load in direction of travel
- Cargo width minimum 240 cm
- Spacing cargo to rear wall ≤ 15 cm

4 Details of cargo (examples)

- General cargo, robust in form and stable > 0.5 g
- palleted cargo, robust in form and stable > 0.5 g

5 Summary

The vehicle body as described above is able to satisfy the requirements of DIN EN 12642 Code XL for a payload of up to 29,000 kg.

Provided the conditions as per points 2 and 3 are satisfied, the securing of the load in accordance with point 4 is satisfied by the rigidity of the vehicle body. Additional securing measures such as e.g. low level lashing or direct lashing are then no longer required.

The vehicle body is when in compliance with the conditions specified able to secure the loads as described in accordance with the generally accepted technical rules and regulations, e.g. acceleration values in accordance with DIN EN 12195-1 (road traffic), VDI regulation 2700 ff and the various certificates and expertise based thereupon. This certificate of the adequate securing of the load also reflects the legal stipulations concerning securing of loads as specified in §§ 22 and 23 of the German highway code and § 30 of the German highway code. For other cargos, additional securing measures in accordance with VDI 2700 are required.

TÜV NORD Mobilität GmbH & Co. KG

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Lawrence David Ltd

By signing this certificate, Lawrence David Ltd. confirms that the body strength of vehicles delivered to customers shall at time of delivery be compliant with the sample vehicle as certified by TÜV NORD.

Hannover, 18.12.2017

PE2 7BY Peterborough (GB),



Uwe Manter