

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)

8114082549-PB1-Z1

1 Details of vehicle

Vehicle manufacturer	Lawrence David Ltd Shrewsbury Avenue PE2 7BY Peterborough
Vehicle body	Semitrailer
Vehicle body type	Curtainsider
Vehicle ID number / body number	Please Refer to Chassis Plate
Max. payload in [kg]	28,000
Max. clearance dimensions L x W x H in [mm]	13,600 x 2,550 x 2,820

2 Details of vehicle fittings

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

Head board

0.8 g

- Head board of steel corner posts
- Filled with 21 mm plywood board

Side walls

0.5 g

- Side curtains as per DIN EN 12641-2
5 horizontal- and 20 vertical straps
- Over center locks plus additional securing
- One Pair of Lawrence David Swing Pillars
- Pallet Stops on both sides

Rear wall

0.5 g

- Rear portal with steel corner posts
- Ply metal doors from Normanton with 4 hinges and
2 inner turn lock bars per door

Roof

- Lifting roof made of steel sections and cross struts
- 1300 g Roof Tarpaulin with webbing reinforcement

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
- palleted cargo, robust in form and stable

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 28,000 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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Fachgruppe Ladungssicherung

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, 22.11.2016

PE2 7BY Peterborough,



Uwe Manter