# TÜV NORD Mobilität GmbH & Co. KG

## Certificate of Load Securing by the Vehicle Superstructure
## Demand specifications and cargo preconditions

# LS 05111029-Z5

### 1. Details of vehicle

| | |
|---|---|
| **Vehicle manufacturer:** | **Lawrence David Ltd.** |
| | **Peterborough (UK)** |
| **Vehicle type:** | **Lawrence David Pillarless 3 Axle Trailer Produce 244** |
| **Vehicle ID number:** | **Please Refer to Chassis Plate** |
| **max. technical pay load :** | **28,000 kg** |
| **max. clearance dimensions, internal L / W / H:** | **15,280 mm / 2,450 mm / 3,100 mm** |
| **Vehicle design:** | **Curtainsider** |

**The vehicle construction satisfies the requirements of DIN EN 12642 Code XL.**

### 2. Details of vehicle fittings

The vehicle body is able to secure the cargo specified under point 4 in compliance with the load conditions specified in point 3 provided the following components are fitted and present:

| | **Proven max. test forces (DIN EN 12642)** Dynamic tested |
|---|---|
| **Front bulkhead** | |
| • Steel corner posts | **0.8 g** |
| • Fill board of glass fibre reinforced plywood board | |
| **Side wall** | |
| • Sliding curtain with polyester backing material | |
| • 24 vertical welded straps, overcentre tensioners with additional interlocks; horizontal welded straps, spacing maximum 600 mm | **0.5 g** |
| **Rear portal** | |
| • Steel rear frame, double doors, sandwich design, minimum 4 hinges and 2 internal rotatable lock bars per door | **0.5 g** |
| **Roof** | |
| • Fixed steel roof, comprising longitudinal beams, cross bars and sheet metal skin. | |

**The condition of the vehicle superstructure is to be inspected regularly in accordance with VDI 2700.**

**This certificate comprises 2 pages and is only valid if complete and unabridged.**

### 3. Details of load

The vehicle superstructure is able to secure the cargo goods specified in point 4 in compliance with the presence of the components listed in point 2 under the following load conditions:

- coefficient of slide friction $\mu_D = 0.30$
- interlocking load in direction of travel
- minimum cargo width 240 cm
- max. permitted distance between load/rear wall 15 cm

### 4. Details of cargo goods

The vehicle superstructure is able to secure the following cargo goods in compliance with the conditions specified and as listed in points 2 and 3 in accordance with generally accepted technical regulations, e.g. acceleration values in accordance with DIN EN 12195-1 (road traffic), VDI regulations 2700 ff. and various certificates and expertises based thereupon.

- General cargo
- Palletised goods, shape and tip-stable

Provided all conditions as set out in points 2, 3 and 4 are satisfied, the securing of the load is provided by the vehicle superstructure's own stability. Additional securing measures, e.g. low level lashing or direct lashing are not required.

**For cargos other than specified above, additional securing measures in accordance with VDI 2700 are required.**

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LS 05111029-Z5
GEPRÜFTE LADUNGSSICHERUNG
SAFETY OF LOADS
VDI 2700, EN 12195-1 / EN 12 642 (Code XL)

**TÜV NORD Mobilität GmbH & Co. KG**
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Geschäftsstelle Hannover
Fachgruppe Ladungssicherung

Hannover, 16.07.2014

Uwe Manter

Lawrence David Ltd.

Peterborough, 12.12.18

Darren Wells

Signature of responsible manager

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