



Vehicle  
Certification  
Agency



Maritime &  
Coastguard  
Agency



Department  
for Transport



VCA Dangerous Goods Office  
Ashcombe House  
5 The Crescent, Leatherhead  
Surrey, KT22 8DY, UK  
T +44 (0)1372 226110  
E dgenquiries@vca.gov.uk  
[www.vehicle-certification-agency.gov.uk](http://www.vehicle-certification-agency.gov.uk)

# CERTIFICATE OF PACKAGING PERFORMANCE

Issued on behalf of the Department for Transport, Civil Aviation Authority and the Maritime and Coastguard Agency by the VCA Dangerous Goods Office

Certificate serial number: 2288

**NOT TRANSFERABLE**

Application No.: 9219

Issue number and date: 10 19/12/2025

**Issued to:** TRI-WALL UK LTD  
Wonastow Road  
Monmouth  
Monmouthshire  
NP25 5TW

Packaging type: 4G

Description:  
Fibreboard box

Battened: No corrugated/solidboard: Corrugated style: 0201 mfj: Stitched

Dimensions: 410 length x 410 width x 460 height

with ends

Closure top flaps: Taped U 50mm tape

strapped: No

Closure bottom flaps: Taped U 50mm tape

Fittings and material:  
Top pad: No-  
Bottom Pad: No-  
Dividers: Yes-Corrugated

Liner: Yes-Plastics bag  
Layer Pad: No-  
Void Filler: Yes-Vermiculite

Contents: Inner packagings as schedule, for liquids and solids, and articles

Details Inner packages: (1) (2)

Board Grammages (gsm) and Manufacturers:

Number:  
Capacity:  
Type:  
See attached schedule

|               |                |
|---------------|----------------|
| Outer: 440    | Flute 1: 150 A |
| Middle: 150   | Flute 2: 150 C |
| Extra Middle: | Extra Flute:   |
| Inner: 440    | Combined: 1529 |

Closure type:

Closure size:

Closure material:

Gasket:

Torque value: Nm

Special Notes:

Box Manufacturers:

Town

|             |          |
|-------------|----------|
| TRI-WALL UK | Monmouth |
|-------------|----------|

The packaging is approved, as provided in the relevant transport rule, to contain liquids in inner packagings.

Packing Group Maximum relative density (d) Maximum gross mass (kg)

|     |     |    |
|-----|-----|----|
| I   | 1.2 | 34 |
| II  | 1.8 | 47 |
| III | 1.8 | 47 |

| Drop Height (m) | Stack Height (m) | Relative density (d) |
|-----------------|------------------|----------------------|
| 1.8             | 3                | 1.8                  |

**THE TEST REPORT(S) AND ITS APPENDICES ARE AN INTEGRAL PART OF THIS DOCUMENT**

Packagings of the sample specifications shall bear the marking:

**U 4G/X34/S/\*\*/GB/2288**

\*\* To be replaced by the last  
two digits of the year of  
manufacture

Revalidation due by: 31/12/ 2030

Signed:

*Liz  
Girling*

for Ziyad Akhlaq, Head of Dangerous Goods VCA DGO

# Conditions of issue

1. This certificate is issued by the Vehicle Certification Agency Dangerous Goods Office (hereinafter called VCADGO) as the certifying body acting under the authority of the Department for Transport, the Civil Aviation Authority and the Maritime and Coastguard Agency, in accordance with dangerous goods guidance No.2 (available on the DfT website).
2. This certificate is issued to the holder at the registered address shown overleaf. It is not transferable and remains the property of VCADGO.
3. VCADGO shall be notified immediately of any changes affecting the certificate holder, including change of ownership, address or cessation of trading.
4. This certificate confirms that the packaging design type has been tested by an accredited laboratory and has satisfied the Test Requirements for Packagings, Large Packagings or IBCs (as applicable) of part 6 of RID; ADR, IMDG; ICAO<sup>1</sup>. It is issued on the basis of one or more reports describing those tests and detailing the specifications of the approved packaging.
5. The certificate holder is authorised to apply the unique package marking identified by this certificate (hereinafter called the "UN mark") only to packagings which conform to the approved design type specifications and which comply with the relevant requirements of part 6 of RID<sup>1</sup>,ADR<sup>1</sup>,IMDG<sup>1</sup>; ICAO<sup>1</sup>.
6. The design type tests have been carried out on packagings prepared as for carriage. Combination packaging including large packagings have been tested in conjunction with the inner packaging(s) or article(s) which are to be carried. In this case the UN mark shall be applied to the outer packaging, but not to the inner packagings or articles. The UN mark is valid only when the outer packaging contains inner packaging(s) or article(s) described in this certificate and/ or the test report(s); use with other inner packaging(s) or articles is not permitted and will invalidate the approval.
7. The certificate holder may not mark or cause to be marked any packaging which, allowing for accepted manufacturing tolerances, deviates from the approved design type specification. If the packaging is to be modified from the design type specification identified in the test report or certificate, the certificate holder shall inform VCADGO immediately. A fee may be charged for activity associated with granting approval for any such modification.
8. The UN mark provides a guide to the test levels and use of a packaging but additional conditions in this certificate and associated test report must be taken into account.
9. The UN mark indicates that the packaging which bears it corresponds to a successfully tested design type and that it complies with the provisions of the relevant manufacturing test requirements of RID<sup>1</sup>, ADR<sup>1</sup>, IMDG<sup>1</sup>; ICAO<sup>1</sup>.
10. The UN mark does not imply that the packaging may be used in any particular mode of transport or for any particular substance. The type of packaging, its maximum capacity and/or mass and any special requirements are specified for each substance and for each mode of transport in RID<sup>1</sup>, ADR<sup>1</sup>, IMDG<sup>1</sup>; ICAO<sup>1</sup> as applicable. Attention is also drawn to S6 of the Health and Safety at Work etc Act 1974<sup>1</sup> - General Duties of manufacturers etc. as regards articles and substances for use at work.
11. The certificate holder must ensure that the user of the packaging is made aware of and the need to check that the packaging is compatible with its contents.
12. It is noted that
  - A packaging design type is defined by the design, size, material and thickness, manner of construction and packing but may include various surface treatments. It also includes packagings which differ from the design type only in the lesser design height. The UN mark is valid for packagings of the design type(s) tested only as defined in the foregoing;
  - Packagings bearing the UN mark specified in this certificate shall be manufactured in accordance with an appropriate quality assurance programme;
  - Proof may be required, at any time, by retesting, that packagings bearing the specified UN mark meet the conditions of issue;
  - When applied to packaging, the UN mark allocated in this certificate must be durable, legible and at least 12mm high except for packagings of 30 litres or 30kg capacity, or less, when they shall be at least 6mm, in height and for packagings of 5 litres or 5kg or less when they shall be of an appropriate size;
  - All single packaging for liquids shall undergo a leakproofness test before use.
13. This certificate does not exempt any persons or class of persons or any dangerous goods or class of dangerous goods from all or any of the requirements or prohibitions imposed by or under any legislation including secondary legislation which may apply.

<sup>1</sup> The legislation referred to above may be obtained from several sources, details may be found in Guidance Note 2.

**SCHEDULE GB/2288**

ISSUE 03 DATED 15/12/2020

Page 1 of 1

| ITEM | DESCRIPTION                         | WEIGHT | No | For Solids |             | Cap L.       | Closure     | Size                                    | Wad/<br>Gasket  | Container | Pkg Grp I<br>Max R.D. | Pkg Grp II<br>Max R.D. | Signed<br>Keith F.B. White |  |
|------|-------------------------------------|--------|----|------------|-------------|--------------|-------------|---|-----------------|-----------|-----------------------|------------------------|----------------------------|--|
|      |                                     |        |    | or Liquids | For Liquids |              |             |   |                 |           |                       |                        |                            |  |
| 1    | Winchester                          | 540g   | 9  | L          | 1.00        | Screwcap     | 31mm        | Plastics                                | Beatson Clark   | 1.2       | 1.8                   | 24                     | 30                         |  |
| 2    | Winchester                          | 1300g  | 4  | L          | 2.50        | Screwcap     | 31mm        | Plastics                                | Beatson Clark   | 1.2       | 1.8                   | 27                     | 32                         |  |
| 3    | Lever lid tin                       | 360g   | 2  | L          | 5.00        | Lever lid    | 162mm       |   | Carnaudmetalbox | 1.2       | 1.8                   | 21                     | 28                         |  |
| 4    | Tinplate jerrican                   | 398g   | 4  | L          | 5.00        | Screwcap     | 38mm        | Al. faced pulp                          | Carnaudmetalbox | 1.2       | 1.8                   | 35                     | 47                         |  |
| 5    | Jerrican Compact PL38R4             | 40g    | 18 | L          | 1.00        | Screwcap     | 38mm        | Valve                                   | Plysu           | 1.2       | 1.8                   | 33                     | 46                         |  |
| 6    | Jerrican Compact PL38R5             | 75g    | 8  | L          | 2.50        | Screwcap     | 38mm        | Valve                                   | Plysu           | 1.2       | 1.8                   | 34                     | 47                         |  |
| 7    | Jerrican Compact PL38R6             | 130g   | 4  | L          | 5.00        | Screwcap     | 38mm        | Valve                                   | Plysu           | 1.2       | 1.8                   | 34                     | 47                         |  |
| 8    | Powder jar                          | 45g    | 18 | S          | 0.50        | T/E screwcap | 55mm        | Sealing ring                            | Mauser          | 1.65      | 1.65                  | 29                     | 29                         |  |
| 9    | Lithium ion pouch cell and dividers | 1kg    | 12 | A          | -           | Grip seal    | 300 x 400mm | Thermashield wrap and plastics film bag | Taja            | n/a       | n/a                   | n/a                    | 16                         |  |



Vehicle  
Certification  
Agency



Maritime &  
Coastguard  
Agency



Department  
for Transport



VCA Dangerous Goods Office

Ashcombe House

5 The Crescent, Leatherhead

Surrey, KT22 8DY, UK

T +44 (0)1372 226110

E dgenquiries@vca.gov.uk

[www.vehicle-certification-agency.gov.uk](http://www.vehicle-certification-agency.gov.uk)

# CERTIFICATE OF PACKAGING PERFORMANCE

Issued on behalf of the Department for Transport, Civil Aviation Authority and the Maritime and Coastguard Agency by the VCA Dangerous Goods Office

Certificate serial number: 5663

**NOT TRANSFERABLE**

Application No.: 6242

Issue number and date: 06 06/01/2025

Issued to: TRI-WALL UK LTD  
Wonastow Road  
Monmouth  
Monmouthshire  
NP25 5TW

Packaging type: 4GV

Description:

Fibreboard box, special packaging  
conforming to the provisions of  
6.1.5.1.7. of the UN Recommendations

with ends

Battened: No corrugated/solidboard: Corrugated  
Dimensions: 410 length x 410 width x 466 height

style: 0201 mfj: Stitched

Closure top flaps: H taped 50mm reinforced tape  
Closure bottom flaps: H taped 50mm reinforced tape

strapped: No

Fittings and material:  
Top pad: No-  
Bottom Pad: No-  
Dividers: No-

Liner: Yes- Plastics bag

Layer Pad: No-

Void Filler: Yes- Vermiculite

Contents: Glass bottles with liquid contents in vermiculite cushioning

Details Inner packages: (1) containing (2)

Board Grammages (gsm) and Manufacturers:

|                   |   |
|-------------------|---|
| Number:           | 0 ml  |
| Capacity:         | any subject to the limits in the special notes below. |
| Type:             |   |
| Closure type:     |   |
| Closure size:     |   |
| Closure material: |   |
| Gasket:           |   |
| Torque value:     | 0 Nm  |
| Special Notes:    |   |

|               |     |              |       |
|---------------|-----|--------------|-------|
| Outer:        | 440 | Flute 1:     | 127 C |
| Middle:       | 135 | Flute 2:     | 175 A |
| Extra Middle: |     | Extra Flute: |       |
| Inner:        | 440 | Combined:    | 1489  |

Box Manufacturers:

|             |          |
|-------------|----------|
| TRI-WALL UK | Monmouth |
|-------------|----------|

Approved to contain any type of inner packaging up to a maximum gross mass of inner packagings of 12.9 kg. This pack is not approved for Class 1 or Class 7 goods.

Further detail and options on schedule issue no n/a dated n/a.

It is certified that samples of the packaging design type described above have been tested in accordance with the provisions of the United Nations Recommendations on the Transport of Dangerous Goods, Chapter 6.1 (and the equivalent provisions in RID/ADR, the IMDG Code and the ICAO Technical Instructions) and successfully met the criteria described in paragraphs 6.1.5.3 to 6.1.5.6: at test levels of:

| Packing Group | Maximum relative density (d) | Maximum gross mass (kg) |
|---------------|------------------------------|-------------------------|
| I             | -                            | 29                      |
| II            | 29                           |                         |
| III           | 29                           |                         |

|                 |                  |                      |
|-----------------|------------------|----------------------|
| Drop Height (m) | Stack Height (m) | Relative density (d) |
| 1.8             | 3                | -                    |

**THE TEST REPORT(S) AND ITS APPENDICES ARE AN INTEGRAL PART OF THIS DOCUMENT**

Packagings of the sample specifications shall bear the marking:

 4GV/X29/S/\*\*/GB/5663

\*\* To be replaced by the last two digits of the year of manufacture

Revalidation due by: 31/12/ 2030

For further details see [www.vca.gov.uk](http://www.vca.gov.uk)

Signed:



for Ziyad Akhlaq, Head of Dangerous Goods VCA DGO

# Conditions of issue

1. This certificate is issued by the Vehicle Certification Agency Dangerous Goods Office (hereinafter called VCADGO) as the certifying body acting under the authority of the Department for Transport, the Civil Aviation Authority and the Maritime and Coastguard Agency, in accordance with dangerous goods guidance No.2 (available on the DfT website).
2. This certificate is issued to the holder at the registered address shown overleaf. It is not transferable and remains the property of VCADGO.
3. VCADGO shall be notified immediately of any changes affecting the certificate holder, including change of ownership, address or cessation of trading.
4. This certificate confirms that the packaging design type has been tested by an accredited laboratory and has satisfied the Test Requirements for Packagings, Large Packagings or IBCs (as applicable) of part 6 of RID; ADR, IMDG; ICAO<sup>1</sup>. It is issued on the basis of one or more reports describing those tests and detailing the specifications of the approved packaging.
5. The certificate holder is authorised to apply the unique package marking identified by this certificate (hereinafter called the "UN mark") only to packagings which conform to the approved design type specifications and which comply with the relevant requirements of part 6 of RID<sup>1</sup>, ADR<sup>1</sup>, IMDG<sup>1</sup>; ICAO<sup>1</sup>.
6. The design type tests have been carried out on packagings prepared as for carriage. Combination packaging including large packagings have been tested in conjunction with the inner packaging(s) or article(s) which are to be carried. In this case the UN mark shall be applied to the outer packaging, but not to the inner packagings or articles. The UN mark is valid only when the outer packaging contains inner packaging(s) or article(s) described in this certificate and/ or the test report(s); use with other inner packaging(s) or articles is not permitted and will invalidate the approval.
7. The certificate holder may not mark or cause to be marked any packaging which, allowing for accepted manufacturing tolerances, deviates from the approved design type specification. If the packaging is to be modified from the design type specification identified in the test report or certificate, the certificate holder shall inform VCADGO immediately. A fee may be charged for activity associated with granting approval for any such modification.
8. The UN mark provides a guide to the test levels and use of a packaging but additional conditions in this certificate and associated test report must be taken into account.
9. The UN mark indicates that the packaging which bears it corresponds to a successfully tested design type and that it complies with the provisions of the relevant manufacturing test requirements of RID<sup>1</sup>, ADR<sup>1</sup>, IMDG<sup>1</sup>; ICAO<sup>1</sup>.
10. The UN mark does not imply that the packaging may be used in any particular mode of transport or for any particular substance. The type of packaging, its maximum capacity and/or mass and any special requirements are specified for each substance and for each mode of transport in RID<sup>1</sup>, ADR<sup>1</sup>, IMDG<sup>1</sup>; ICAO<sup>1</sup> as applicable. Attention is also drawn to S6 of the Health and Safety at Work etc Act 1974<sup>1</sup> - General Duties of manufacturers etc. as regards articles and substances for use at work.
11. The certificate holder must ensure that the user of the packaging is made aware of and the need to check that the packaging is compatible with its contents.
12. It is noted that
  - A packaging design type is defined by the design, size, material and thickness, manner of construction and packing but may include various surface treatments. It also includes packagings which differ from the design type only in the lesser design height. The UN mark is valid for packagings of the design type(s) tested only as defined in the foregoing;
  - Packagings bearing the UN mark specified in this certificate shall be manufactured in accordance with an appropriate quality assurance programme;
  - Proof may be required, at any time, by retesting, that packagings bearing the specified UN mark meet the conditions of issue;
  - When applied to packaging, the UN mark allocated in this certificate must be durable, legible and at least 12mm high except for packagings of 30 litres or 30kg capacity, or less, when they shall be at least 6mm in height and for packagings of 5 litres or 5kg or less when they shall be of an appropriate size;
  - All single packaging for liquids shall undergo a leakproofness test before use.
13. This certificate does not exempt any persons or class of persons or any dangerous goods or class of dangerous goods from all or any of the requirements or prohibitions imposed by or under any legislation including secondary legislation which may apply.

<sup>1</sup> The legislation referred to above may be obtained from several sources, details may be found in Guidance Note 2.