



BELGISCH VERPAKKINGSINSTITUUT bvba
INSTITUT BELGE DE L'EMBALLAGE sprl

DATE: Zellik, 16/09/2010

TEST REPORT

REPORT NR: SDR/sdr/G-10.197 H

Report G-10.197 H/p 1 of 4

This report revises report G-10.197 of 08/09/2010.

OBJECT : Drop tests on the combination packaging on complete packaging used in combination packaging for road and air transport according to Packaging Instruction 650 of ADR and IATA (UN3373).
Reference: Tarabox 12 litre.

Receiving date samples: 09/08/2010

Executing date or period of tests: 07/09/2010

BY ORDER OF: **ODIL S.A.S.**
ZAC du Parc Mazon Sully
9 rue P.Kergomard
BP 76705
FR-21067 DIJON

General Manager

Eng. M. Wittebolle

Analyst - Consultant

Stefaan De Ryck

The results of this report are exclusively related to the submitted samples

This report shall not be reproduced except in full, without written approval of the laboratory

Q : accredited test (ISO 17025)

Accuracy of the test results available on request

Report G-10.197

1. Received samples:

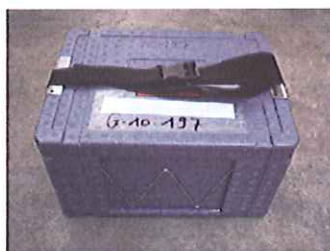
Tarabox 12 litre with 120 tubes.

Complete packaging for the transport of liquid biological substance, category B.

- Expanded PP-box with internal dimensions: (lxwxh) 340x250x165 mm; empty weight: 1kg.
 - Secondary packaging are 2 PP boxes, dimensions: (lxwxh) 250x170x130 mm. empty weight: 375g.
 - Each box contains plastic seal bags with test tubes inside.
 - Absorption material is present in the secondary packaging.
- The complete packaging contains 2 cool packs on top of the PP boxes.

Weight of the complete empty packaging: 4,4 kg

Dimensions outer packaging (lxwxh): 40,2 x 30,2 x 22,8 cm



Secondary packaging

Primary packaging

2. Effectuated test:

Drop tests

Number of tested packagings: 5

Weight of the complete packaging : 5,0 kg

Drop height : 1,20 m

Drop orientation :	first drop	:	flat on the bottom
	second drop	:	flat on the top
	third drop	:	flat on the long side
	fourth drop	:	flat on the short side
	fifth drop	:	on a corner

Criterion

No damage liable to affect safety during transport.

No important breakage or leakage, nor of the box, nor of the inner packaging.

3. Results:

Drop tests

No damage liable to affect safety during transport.

No important breakage or leakage, nor of the box, nor of the inner packaging.

4. Conclusion :

The complete packaging and the primary receptacle are capable to withstand the prescribed tests and can be used in accordance with the Packaging Instruction 650 of ADR and IATA regulations.

5. Certification Number :

PI 650/UN3373 Conform ODIL / IBE-BVI G-10.197 H



Stefaan De Ryck
Analyst-Consultant
Packaging Laboratory



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DATE: Zellik, 16/09/2010

TEST REPORT

REPORT NR: GV/gv/G-10.193 H

Report G-10.193 H/p 1 of 4

This report revises report G-10.193 of 08/09/2010.

OBJECT : Droptests on the combination packaging on complete packaging used in combination packaging for road and air transport according to Packaging Instruction 650 of ADR and IATA (UN3373).
Reference: TARABOX 10L

Receiving-date samples: 09/08/2010

Executing date or period of tests: 07/09/2010

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Accuracy of the test results available on request

Report G-10.193

1. Received samples:

TARABOX 10L with 77 tubes.

Complete packaging for the transport of liquid biological substance, category B.

Expanded pp box with internal dimensions : (lxbxh) 300 x 180 x 212 mm.

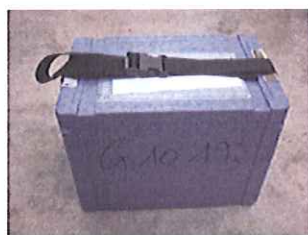
In the complete packaging there is a Cool pack.

Secondary packaging is a plastic box pp with dimensions (lxbxh) 250 x 170 x 130 mm ,
weight 375 g.

Primary packagings are maximum 77 tubes BD in the plastic box with absorption material.

Weight of the complete empty packaging : 2,800 kg

Dimensions outer packaging (lwxh): 36 x 23 x 26 cm



Secondary packaging



Primary packaging

2. Effectuated test:

Drop tests

Number of tested packagings: 5

Weight of the complete packaging : 3,5 kg

Drop height : 1,20 m

Drop orientation :	first drop	:	flat on the bottom
	second drop	:	flat on the top
	third drop	:	flat on the long side
	fourth drop	:	flat on the short side
	fifth drop	:	on a corner

Criterion

No damage liable to affect safety during transport.

No important breakage or leakage, nor of the box, nor of the inner packaging.

3. Results:

Drop tests

No damage liable to affect safety during transport.

No important breakage or leakage, nor of the box, nor of the inner packaging.

4. Conclusion :

The complete packaging and the primary receptacle are capable to withstand the prescribed tests and can be used in accordance with the Packaging Instruction 650 of ADR and IATA regulations.

5. Certification Number :

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TEST REPORT

REPORT NR: GV/gv/G-10.194 H

Report G-10.194 H/p 1 of 4

This report revises report G-10.194 of 08/09/2010.

OBJECT : Drop tests on the combination packaging on complete packaging used in combination packaging for road and air transport according to Packaging Instruction 650 of ADR and IATA (UN3373).
Reference: TARABOX 44L

Receiving-date samples: 09/08/2010

Executing date or period of tests: 07/09/2010

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Accuracy of the test results available on request

Report G-10.194

1. Received samples:

TARABOX 44L with 616 tubes.

Complete packaging for the transport of liquid biological substance, category B.

Expanded pp box with internal dimensions : (lxbxh) 540 x 340 x 270 mm.

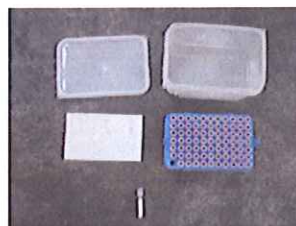
In the complete packaging there are 2 Cool packs.

Secondary packaging is 8 plastic boxes pp with dimensions (lxbxh) 250 x 170 x 130 mm ,
weight 375 g.

Primary packagings are maximum 77 tubes BD in the plastic box with absorption material.

Weight of the complete empty packaging : 13,341 kg

Dimensions outer packaging (lxwxh): 60 x 40 x 32 cm



Secondary packaging



Primary packaging

2. Effectuated test:

Drop tests

Number of tested packagings: 5

Weight of the complete packaging : 15,3 kg

Drop height : 1,20 m

Drop orientation :	first drop	:	flat on the bottom
	second drop	:	flat on the top
	third drop	:	flat on the long side
	fourth drop	:	flat on the short side
	fifth drop	:	on a corner

Criterion

No damage liable to affect safety during transport.

No important breakage or leakage, nor of the box, nor of the inner packaging.

3. Results:

Drop tests

No damage liable to affect safety during transport.

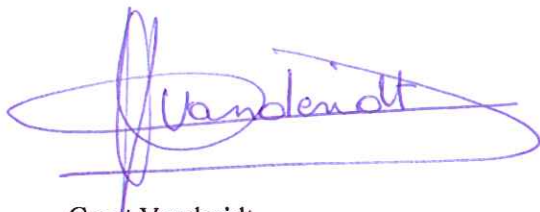
No important breakage or leakage, nor of the box, nor of the inner packaging.

4. Conclusion :

The complete packaging and the primary receptacle are capable to withstand the prescribed tests and can be used in accordance with the Packaging Instruction 650 of ADR and IATA regulations.

5. Certification Number :

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Report G-10.196**1. Received samples:**

Tarabox 12 litre with 26 plastic jars.

Complete packaging for the transport of liquid biological substance, category B.

- Expanded PP-box with internal dimensions: (lxwxh) 340x250x165 mm; empty weight: 1kg.
 - Secondary packaging are 2 PP boxes, dimensions: (lxwxh) 250x170x130 mm. empty weight: 375g.
 - Each box contains 13 polystyrene jars of 60 ml (60x45 mm, 15g) in a preform PE foam.
 - Absorption material is present in the secondary packaging.
- The complete packaging contains 2 cool packs on top of the PP boxes.

Weight of the complete empty packaging: 3,9 kg

Dimensions outer packaging (lxwxh): 40,2 x 30,2 x 22,8 cm



Secondary packaging

Primary packaging

2. Effectuated test:Drop tests

Number of tested packagings: 5

Weight of the complete packaging : 5,2 kg

Drop height : 1,20 m

Drop orientation :	first drop	:	flat on the bottom
	second drop	:	flat on the top
	third drop	:	flat on the long side
	fourth drop	:	flat on the short side
	fifth drop	:	on a corner

Criterion

No damage liable to affect safety during transport.

No important breakage or leakage, nor of the box, nor of the inner packaging.

3. Results:

Drop tests

No damage liable to affect safety during transport.

No important breakage or leakage, nor of the box, nor of the inner packaging.

4. Conclusion :

The complete packaging and the primary receptacle are capable to withstand the prescribed tests and can be used in accordance with the Packaging Instruction 650 of ADR and IATA regulations.

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