IBE-BVI

INSTITUT BELGE DE L'EMBALLAGE sprl
BELGISCH VERPAKKINGSINSTITUUT bvba

ISO 17025
Nr. 282-TEST

ATTESTATION DE CONFORMITE

Contrôle de fabrication/utilisation des emballages destinés au transport de marchandises dangereuses

Contrôle périodique

1. Documents de réference : les versions en vigeur actuellement de

Transport maritime	: IMDG Code, 2014
Transport aérien	: OACI TI, 2015/2016
Transport routier	: ADR, 2015
Transport ferroviaire	: RID, 2015

2. Demandeur/ Titulaire de l' agrément :

EFFISAC
Z.I. DE LA NOUVELLE ENERGIE - BP 20113
FRANCE-RUE DE L'ENERGIE 59559 COMINES

3. Type d'emballages, de GRV ou de GE

Caisse en carton – Fabricant titulaire d'agrément
GRV en carton ondulé – Fabricant titulaire d'agrément

4. Site de production des emballages :

59559 COMINES

5. Référence de justification du contrôle :

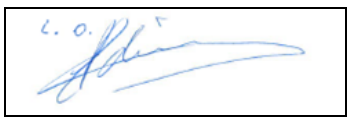
Procédure de contrôle tenant compte du marginal IN 3550 (3) de l'ADR, A.R. du 28.06.2009 (Publ. Moniteur Belge du 30 juin 2009).

6. Référence du rapport de contrôle

Rapport de IBE/BVI N-17..034
Data de contrôle : 10/05/2017
Prochain contrôle à réaliser avant fin 2018 (ce document-ci : valable pour 2017 – 2018)

L'IBE atteste que le site de Comines 59559 pour le type d'emballages, de GRVou de GE suvisés a fait l'objet d'un contrôle de production et que les dispositions mises en place au sein de ce site respondent aux prescriptions réglementaires relatives à l'assurance de la qualité pour la fabrication des emballages, GRV et GE destines au transport de marchandises dangereuses (*Toute modification du systèmede contrôle de fabrication ou du système qualité peut invalider cette attestation)*

Directeur Général



Ing. M. Wittebolle

BELGISCH VERPAKKINGSINSTITUUT bvba
INSTITUT BELGE DE L'EMBALLAGE sprl
Z.1. Research park 280, B-1731 Zellik (Asse)
BTW/TVA: BE 0468 585 422

T: +32-(0)2-464 02 10
F : +32-(0)2-464 02 39
e-mail: packaging@ibebvi.be
U.R.L.: www.ibebvi.be

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RESUME DU CERTIFICAT D'AGREMENT UN OFFICIEL 150025

1. Marquage UN attribué

UN	**4G/Y6/S/*** **B/EFFISAC.733-150025**

* : deux derniers chiffres de l'année de production.

Ce marquage peut être utilisé par le détenteur du marquage UN, *décrit dans la section demandeur (2)* pour confirmer que les emballages en production sont en conformité avec le prototype certifié.
Le certificat délivré par les autorités belges est valable dans tous les Pays ayant souscrits les recommandations UN et restent valable aussi longtemps que l'emballage reste invariable et que la production est soumise à un contrôle de production suivant les procédures établies par les autorités belges.

2. Demandeur : EFFISAC
Z.I. DE LA NOUVELLE ENERGIE - BP 20113
FRANCE-RUE DE L'ENERGIE 59559 COMINES

3. Producteur de la caisse extérieur : ref BVI : 733

4. Description de l'emballage :

Référence article :	: 12 litres / PLAZUR 12L
Code Fefco	: 710/713 avec joint de fabrication collé de 30mm
Qualité du carton ondulé	: Kraft blanc / Wellenstof/ Testliner (grammage total 454 g/m²)
• Epaisseur	: 2.80 mm
Dimensions extérieures	: 205x200x305mm / 12 litres
Dimensions intérieures	: 200x195x300mm
Volume utile	: 11,5 litres
Fermeture	: Rabats recouvrant avec 1 patte de verrouillage sur le rabat supérieur et 2 pre cut handles

Sac intérieur collés sur les parois de la caisse extérieure :

• Dimension	: 71 x 41 cm
• Epaisseur	: 63.0 µm

5. Marchandises dangereuses autorisées à transporter :

Produits des classes 1, 3, 4.1, 4.2, 4.3, 5.1, 5.2, 6.1, 6.2 (UN3291),8 et 9

Groupe d'emballage	: II and III
Masse brut maximale	: 6 kg

6. .Documents de référence :

Transport maritime	: IMDG Code, 2014
Transport aérien	: OACI TI, 2015/2016
Transport routier	: ADR, 2015
Transport ferroviaire	: RID, 2015
Norme Française	: NFX30-507; 2009-4
Rapport de IBE/BVI	: **G-15.021**

M.Wittebolle
Directeur Général

date, 25/10/2016

BELGISCH VERPAKKINGSINSTITUUT bvba
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Z.1. Research park 280, B-1731 Zellik (Asse)
BTW/TVA: BE 0468 585 422

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150025

FEDERAL PUBLIC SERVICE MOBILITY AND TRANSPORT
CO-ORDINATION COMMISSION FOR THE TRANSPORT
OF DANGEROUS GOODS

CERTIFICATE OF APPROVAL

The packaging of type 4G fibreboard box 12L manufactured by BVI ref . 733 - (B) and described in report n° G-15.021 issued by IBE-BVI is accepted for the transport by land (road and rail), by sea and by air of dangerous goods mentioned in following annex, within the limits prescribed in that annex.

Type-series packagings shall in every way be in conformity with the approved design type described in the above mentioned report and successfully pass all the tests specified in :

- the IMDG-Code, Part 6
- the European ADR-Agreement, Part 6
- the International RID-Regulation, Part 6
- the ICAO Technical Instructions, Part 6

These packagings shall bear the following identification marking :

4G/Y6/S/*
B/EFFISAC.733-150025

The identification marking shall be indelible and preferably inscribed on one of the lateral sides of the packaging. The affixing of the marking shall not weaken the strength of the packaging.

(*) The two last digits of the year of manufacture.
Packagings of types 1H and 3H shall also be appropriately marked with the month of manufacture; this may be marked on the packaging in a different place from the remainder of the marking.

The closing devices of the approved packagings shall be in accordance with those described in the report and bear the following identification mark :

If the closing devices are manufactured by subcontractors, the manufacturer to whom the certificate of approval was assigned remains directly responsible for the conformity of the whole packaging.

Any alteration of the above mentioned packaging (including the closing devices) or of it operating conditions implies the automatic cancellation of this certificate.

The Commission reserves at any time the right to invalidate this certificate.

Special requirements :

Inner packaging and cushioning material must be at least as efficient as those described in the report.

Annex : 3 pages

Brussels,05/03/2015.

FPS Mobility and Transport

Maritime Transport (IMDG code)

Ing. Patrick Van Lancker
attaché

Road and Rail Transport (ADR, RID)
Air transport (ICAO-Ti)

Ing. Maxence Wittebolle,
General Manager
Belgium Packaging Institute

Adresses : Effisac
ZI de la nouvelle énergie
Route de l'énergie
BP 20113
F - 59559 Comines

150025

ANNEX TO THE UN CERTIFICATE OF APPROVAL

UN marking

Road and rail transport

*4G/Y6/S/**
B/EFFISAC.733-150025

Substances accepted for carriage and conditions for packing

Substances of the classes 1, 3, 4.1, 4.2, 4.3, 5.1, 5.2, 6.1, 6.2 (UN3291), 8 and 9

if allowed by the following section marks of the ADR/RID and under the conditions specified in these section marks :

3.2, 4.1.4 and 4.1.10 (ADR).

3.2, 4.1.4 and 4.1.10 (RID)

The following conditions must also be fulfilled :

Classification under the packing group	max. relative density	max. vapour pressure at 50° C (kPa)	max. gross mass (kg)
I			
II			6
III			6

For products of class 1, the packaging shall also be approved by the FPS ECONOMY Central Office of Explosives

ANNEX TO THE CERTIFICATE OF APPROVAL

*4G/Y6/S/**
B/EFFISAC.733-150025

Sea transport

General conditions

- This packaging may only be used for the products for which this packaging is allowed in the IMDG-code and under the conditions specified in that code.

- The product may not attack the packaging (nor the closing devices).

- For products of class 1, the packaging shall also be approved by

FPS ECONOMY
Direction générale Qualité et Sécurité / Algemene Directie Kwaliteit en Veiligheid
Service Central des Explosifs / Centrale Dienst Springstoffen
North Gate III
Boulevard du Roi Albert II, 16
1000 - BRUSSELS

- The manufacturer must inform the user of the packaging and all persons, responsible for the loading and the stowing of the ship, of the conditions specified in this certificate.

- All accidents or events that may influence the security adversely during loading, during the voyage or during the unloading of the ship, shall reported to Maritime Transport, "scheepvaartcontrole".

ANNEX TO THE CERTIFICATE OF APPROVAL

*4G/Y6/S/**
B/EFFISAC.733-150025

Air Transport

The type of packaging covered by this certificate of approval may be used for the transport by air under following conditions:

- ✈ The type of packaging must be allowed by the appropriate packing instruction as detailed in part 4 of the Technical Instructions.
- ✈ The quantities must never exceed the maximum allowed quantities in the table 3-1 of the Technical Instructions.
- ✈ For combination packagings, the quantities per inner packaging(s) must also not exceed the quantities permitted by the applicable packing instruction.
- ✈ The packaging must comply with the general packing instructions of part 4 chapter 1 and with the packaging specifications of part 6 chapter 1 and 2 of the Technical Instructions.
- ✈ For products of class 1, the package must also be approved by the :

FPS ECONOMY
Direction générale Qualité et Sécurité / Algemene Directie Kwaliteit en Veiligheid
Service Central des Explosifs / Centrale Dienst Springstoffen
North Gate III
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BELGISCH VERPAKKINGSINSTITUUT bvba
INSTITUT BELGE DE L'EMBALLAGE sprl

BELAC
ISO 17025
Nr. 282-TEST

DATE: Zellik, 04/03/2015

TEST REPORT

REPORT NR: GV/gv/G-15.021 Report G-15.021/p 1 of 7

OBJECT : Tests on fibreboard boxes (4G), to obtain the authorisation for the transport of dangerous goods of the packaging group(s) II & III.

Receiving-date samples: 23/02/2015
Executing date or period of tests: 03/03/2015

BY ORDER OF: EFFISAC

Z.I. DE LA NOUVELLE ENERGIE - BP 20113
FRANCE-RUE DE L'ENERGIE 59559 COMINES

This report is a test report and exclusively refers to the tested objects. The use of the packaging is submitted to the authorization of the competent authority (ADR-RID, IMDG, ICAO)

Quality Manager

Eng. F. Van Impe

Analyst

Geert Vanderidt

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

1. Presented samples:

Type of box: American box FEFCO n° 710/713 with a 30 mm glued joint at the inside of the box and conform the description (4G) as mentioned in the different regulations.

Manufacturer: Cartomills Smurfit Kappa
Rue de Douvrain 19 Zone D
B-7011 GHLIN (MONS)

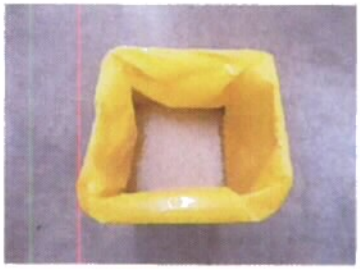
Description of the samples
Single wall (double face) corrugated fiberboard boxes.
Composition and characteristics see point 4.

Closure:
Overlying flaps + locking tab.
2 pre-cut handles in the upper parts of the flaps.

Content: PLAZUR 12L
Plastic bag (LDPE) glued to the inside of the body, thickness 63 µm.
The bag is not closed at the top, but folded into a pre-cut flap to the side of the box.
The plastic bag is filled with bulk material. (PE granulate density 0,6kg/l)
Empty weight bag : 39g , gross weight : 5,80 kg

Dimensions inner packagings: Dimensions: (71x41) cm plastic bag
Plan nr. : 49829

Gross mass of the sample: 6 kg
Gross mass of the final packaging: 6 kg



2. Test program:

Performance tests for fiberboard boxes (4G) prescribed by:
- UN-regulations – part 6
- IMDG – part 6
- ICAO – part 6
- ADR – RID part 6

A. Drop tests (Q):

Filling material	:	See point 1
Number of tested packagings	:	5
Preconditioning	:	48 hours at 23°C / 50% RH
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 receptacles.

B. Stacking tests (Q):

Filling material	:	See point 1
Conditioning	:	23°C and 50% R.H.
Number of tested packagings	:	3
Stacking height	:	3 m
Duration of the test	:	24 hours
Stacking load	:	[(3000/305)-1] x 6 = 53 kg

Criterion:

No deterioration which could adversely affect transport safety.
No distortion liable to reduce the strength of the box or to cause instability in a stack of packages.

3. Results of the tests:

A. Drop tests (Q):

No loss of contents.

B. Stacking tests (Q):

No test sample shows any deterioration which could adversely affect transport safety.
No distortion liable to reduce the strength of the box or to cause instability in a stack of packages.

4. Characteristics of the fiberboard:

MEASUREMENTS	UNIT	
* Weight of the box	g	246
* Dimensions (external measured) (l x w x h)	mm	205x200x305
* Dimensions (internal nominal) (l x w x h)	mm	200x195x300
* Thickness	mm	2,80
* Weight per m²		
- outer facing: White topped Kraft	g/m²	142
- flute: Wellenstoff	g/m²	147
- inner facing: Testliner	g/m²	123
Total	g/m²	454
* Bursting strength	kPa	876
* Puncture resistance	J	
* Edge crush resistance	kN/m	5
* Water absorption	g/m²	130

5. Conclusion:

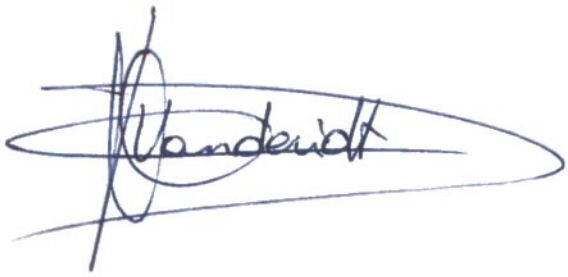
The presented packaging has successfully met the performance tests prescribed for the transport of dangerous goods of the packaging group(s) II & III and may be used in connection with the following conditions:

- Maximal stacking height: 3 m
- Maximal gross mass : 6 kg

All other conditions of use are not covered by this report.

The packaging may only be used for the transport of dangerous goods by road, rail, sea or air with the agreement of the concerned competent authority.

Geert Vanderidt



Analyst
IBC and Dangerous Goods Packaging

Zellik, 04/03/2015

Report G-15.021

The use of the UN-mark hereafter, is still submitted to the authorization of the competent authority.

The hereafter mentioned packaging:

Fiberboard boxes (4G)

that are the subject of report:

G-15.021 of 04/03/2015

may obtain the hereafter mentioned UN-mark:

4G/Y6/S/*
B/EFFISAC.733-**

* : year of manufacture
**: registration number to be delivered by the authority

as far as the use of the above mentioned packaging in the IMDG, ICAO and ADR-RID prescriptions is provided for.

The stacking test was effectuated for a stacking height of 3 m.

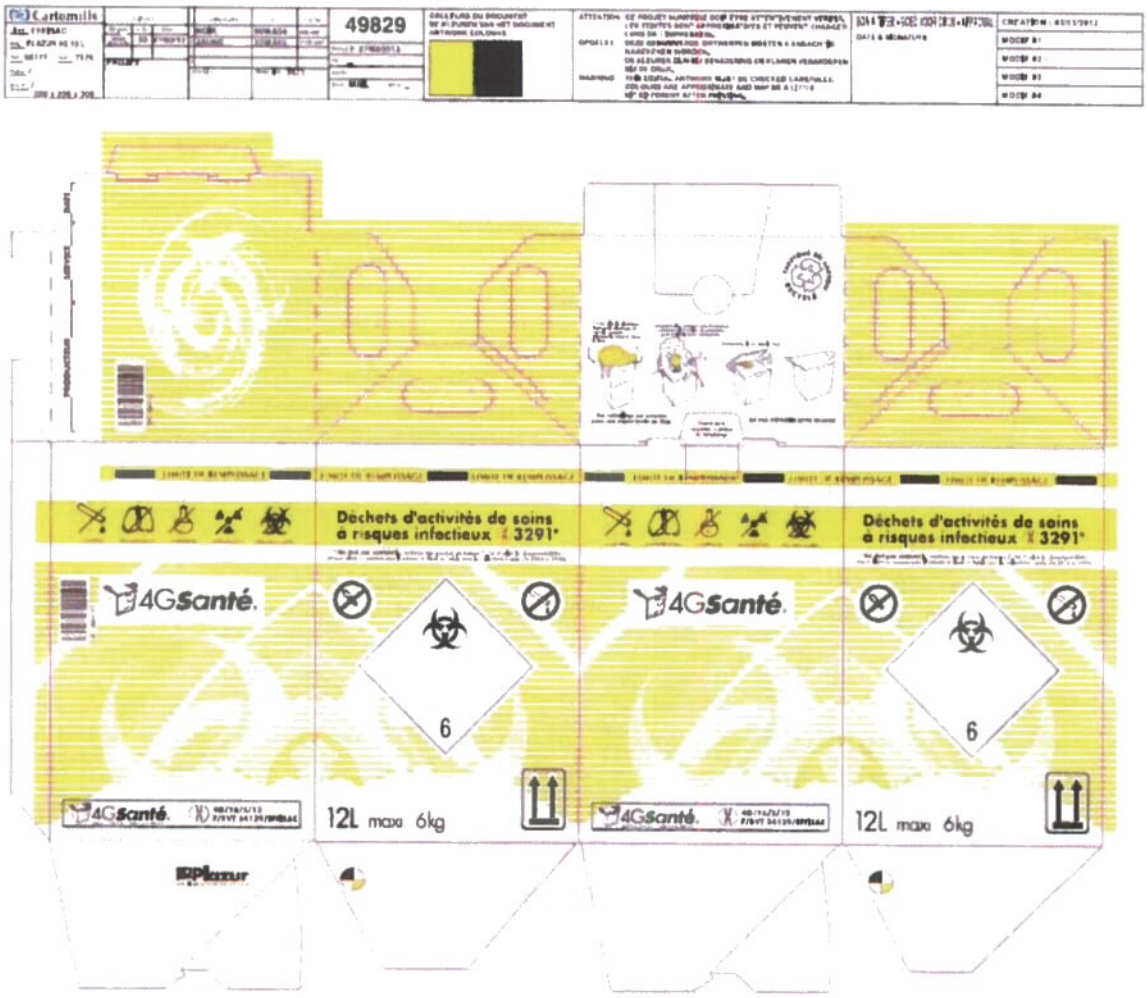
Gross mass: 6 kg

Firm: **EFFISAC**
Z.I. DE LA NOUVELLE ENERGIE - BP 20113

France-rue de l'Energie 59559 COMINES

Geert Vanderidt

Analyst
IBC and Dangerous Goods Packaging


Cartemills
49829
Déchets d'activités de soins à risques infectieux 3291*
4GSanté.
6
12L maxi 6kg
Déchets d'activités de soins à risques infectieux 3291*
4GSanté.
6
12L maxi 6kg

LATTE

IBE-BVI

BELGISCH VERPAKKINGSINSTITUUT bvba
INSTITUT BELGE DE L'EMBALLAGE sprl

CERTIFICATE OF TEST
Test certificate n°:
"IBE-BVI" – P-15.061/4

Date certificate:	2/04/2015	
Test sample:	volume	12 L
	gross mass	6 kg
	int. nom. dim.	200x195x300 mm
	UN-ID	4G/Y6/S/*
		B/EFFISAC.733-150025
	Test report	P-15.061
Holder:	**Effisac** Z.I. De La Nouvelle Energie BP 20113 Comines	
Test:	Conformity test of a container for medical waste (DASRI) according to NF X30-507: 2009-4	
Tests performed:	Analyses, according to NF X30-507: 2009-4 on container	
Test results:	The results show that the delivered test samples are in accordance with the demands described in NF X30-507: 2009-4	
	The complete description of the presented material, the results and findings of the tests are given in the report P-15.061 of 02/04/2015 which is inextricable to this certificate.	
	Any change of the presented material involves a new series of conformity tests on the modified material.	

The report and certificate exclusively refer to the tested objects.

Quality Manager — Filip Van Impe

Analyst — Stefaan Teetaert

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BELGISCH VERPAKKINGSINSTITUUT bvba
INSTITUT BELGE DE L'EMBALLAGE sprl
Z.1. Researchpark 280, 1731 Zellik (Asse)

T: +32-(0)2-464 02 10
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e-mail: packaging@ibebvi.be
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BTW/TVA: BE 0468 585 422