

4. CERTIFICATIONS PRODUITS Compostabilité

- DIN CERTCO
- Europe: standard Industriel
EN 13432:2000-12
- USA: standard ASTM D
6400-2012-01
- Certification valable
jusqu'en Aout 2025

CERTIFICATE

Certificate holder


**GUANGDONG
CHINA**

Product

Products made of compostable materials

Type, Model

Disposable Gloves

Testing basis

DIN EN 13432:2000-12
ASTM D 6400:2012-01
Certification scheme products made of compostable materials (2020-01)

Mark of conformity



Registration No.



Valid until

2023-08-31

Right of use

With this certificate the holder is granted the licence to use the mark of conformity shown above in conjunction with the specified registration number according to the Regulations governing Use of the Mark and the Trademark Usage Guidelines.

See annex for further information.

4. CERTIFICATIONS PRODUITS Compostabilité

- BPI
- USA: Standard ASTM D6400, ASTM D6868
- Certification valable jusqu'en Août 2021

**CERTIFICATE
for Products**

THIS IS TO CERTIFY that the following Items have been found to comply with the specifications established in the American Society for Testing and Materials standard ASTM D6400 and/or D6868 in accordance with the terms and conditions of the "International Biodegradable Products Institute, Inc. Licensing & Certification Program for Compostable Products":

- SH133 Bags: white, black, blue, yellow and green maximum thickness 49 microns [3240765]

as further described in the application and related information submitted to the Biodegradable Products Institute by [redacted] Environment-Friendly Materials Co., Ltd. Corporation, (the "Licensee") a corporation of China.

Specific items associated with these certifications can be found on the BPI Product Catalog:

This Certificate authorizes the Licensee to use the Certification Program Logo depicted below in relation to such Products, subject to all conditions and terms of the Program Rules and the License Agreement between the Biodegradable Products Institute and the Licensee.



COMPOSTABLE
BPI

COMMERCIALLY
COMPOSTABLE ONLY.
FACILITIES MAY NOT
EXIST IN YOUR AREA.
CERT #7719318

By: *Rhodes Yipson*
BPI Executive Director

Valid until: August 31, 2021
Certificate #: 7719318-4

Items on this Certificate:

The following item numbers (SKUs) are certified under this document. Only these items are published on the BPI's web-based items catalogs.

The licensee shall inform BPI immediately for any new items or discontinued items . These items were certified under item review 3240765 and must be recertified by the BPI on or before August 08, 2021

Brand	Manufacturer SKU	Title
[redacted]	SH133	Sealed Wrapper for Cutlery
[redacted]	SH-RB	Kitchen waste, lawn and leaf
[redacted]	SH-GL	Disposable gloves
[redacted]	SH-CB	T-shirt bags
[redacted]	SH-DB	Dog waste bags
[redacted]	SH-CB-ROLL	Rolled t-shirt bags
[redacted]	SH-AP	Disposable aprons
[redacted]	SH-PB	Small plastic bags for compostable cutlery kits
[redacted]	SH-DB-01	Dog waste bags compostable + dispenser (non-compostable)

5. RAPPORT DE TESTS – EUROPE INTERTEK – VERSION ORIGINALE (ANGLAIS)

- Rapport de Test Intertek, Octobre 2020
- Résultat: conformité aux Réglementations Européennes:
 - **EU 10/2011,**
 - **EU 2016/1416,**
 - **EU 2017/752**
 - **EU 1935/2004**
 - **EU 2018/213**

Test Report

Number: GZHH00

Applicant: DONC
CITY,
INGDONG PR, P.R.CHINA

Date: Oct 21, 2020

Attn: NUNA CHEN

Sample Description:
One (1) style of submitted sample said to be :
Item Name : **Compostable Gloves**
Country of Origin : China
Date Sample Received : Oct 13, 2020
Testing Period : Oct 13, 2020 ~ Oct 20, 2020



Tests conducted:
As requested by the applicant, refer to attached page(s) for details.

To be continued

Test Report

Number: GZHH00

Conclusion:

Tested sample
Tested component(s) of
submitted sample(s)

Standard

European Commission Regulation No. 10/2011 and No. 2016/1416 and No 2017/752 and Regulation 1935/2004 on overall migration

Result
Pass

European Commission Regulation No. 10/2011 Annex II and No. 2016/1416 and No. 2017/752 and Regulation 1935/2004 on specific migration of heavy metal content

Pass

European Commission Regulation No. 10/2011 Annex I and Regulation 1935/2004 on specific migration of Vinyl Chloride Monomer content

Pass

European Commission Regulation No. 10/2011 Annex I and Regulation(EC) 1935/2004 on Phthalate content

Pass

European Commission Regulation No. 10/2011 Annex I and Regulation 1935/2004 on specific migration of Phthalate content

Pass

European Commission Regulation No. 10/2011 Annex I and Amendment No. 2018/213 and Regulation 1935/2004 on specific migration of Bisphenol A content

Pass

European Commission Regulation No. 10/2011 Annex I and Regulation 1935/2004 on Vinyl Chloride Monomer articles level in materials and articles

Pass

All test results stated in the report are quoted from the test report number GZHH00 dated on Oct 21,2020 since the sample is claimed to be identical.

Authorized by:
For Intertek Testing Services Shenzhen Ltd.
Guangzhou Branch, Hardlines

Victor T.J. Wang
Assistant General Manager



Page 1 of 6



Page 2 of 6



5. RAPPORT DE TESTS – EUROPE (2) SGS – VERSION ORIGINALE (ANGLAIS)

Test Report

Number: GZHH00

Tests Conducted

1 Overall Migration Test

As per Commission Regulation (EU) No. 10/2011 and its amendments.

I. Test condition:

Aqueous food simulant:	
Test no.	Time and temperature
OM3	2 hours at 70 °C

Fatty food simulant:	
Test no.	Time and temperature
OM3	2 hours at 70 °C

Tested component	Food simulant	Time(hour)	Temperature(°C)
(1)	10% (v/v) Ethanol	2	70
	3% (w/v) Acetic acid	2	70
	95%(v/v) Ethanol	2	60
	Iso -octane	0.5	40

II. Test Results :

Food Simulant	Result(mg/dm ²)	Reporting Limit (mg/dm ²)	Limit (mg/dm ²)
	(1)		
10% (v/v) Ethanol	ND	1	10
3% (w/v) Acetic acid	ND	1	10
95%(v/v) Ethanol	7	1	10
Iso -octane	ND	1	10

ND = Not detected(less than reporting limit)

Ratio of food contact surface area to volume of component (1) used to establish the compliance of material or article = 1.00 dm² : 100 mL.

Tested component(s) : (1) Semi-transparent white plastic (gloves).



Test Report

Number: GZHH00

Tests Conducted

2 Specific Migration of Heavy Metal

As per Commission Regulation (EU) No. 10/2011 and its amendments

I. Test condition:

Temperature : 40 °C

Time :0.5 hours

II. Test result :

Food simulant	Element	Result (mg/kg)	Reporting limit (mg/kg)	Limit (mg/kg)
3% (w/v) Acetic acid in aqueous solution	(1)			
	Barium	ND	0.1	1 (max.)
	Cobalt	ND	0.03	0.05 (max.)
	Copper	ND	1	5 (max.)
	Iron	ND	5	48 (max.)
	Lithium	ND	0.1	0.6 (max.)
	Manganese	ND	0.1	0.6 (max.)
	Zinc	ND	1	5 (max.)
	Aluminum	ND	0.1	1(max)
	Nickel	ND	0.01	0.02(max)

ND = Not detected(less than reporting limit)

Tested component(s) : (1) Semi-transparent white plastic (gloves).

3 Specific Migration of Vinyl Chloride Monomer Test for Plastic Food Contacting Materials/Articles

As per Commission Regulation (EU) No. 10/2011 and BS EN 13130-5:2004.

I. Test condition:

Tested component	Food simulant	Time(hour)	Temperature(°C)
(1)	95%(v/v) Ethanol	0.5	40

II. Test result

Food simulant	Result(mg/kg)	Reporting Limit (mg/kg)	Limit (mg/kg)
(1)			
95%(v/v) Ethanol	ND	0.01	ND

ND = Not detected(less than reporting limit)



5. RAPPORT
DE TESTS –
EUROPE
INTERTEK –
VERSION
ORIGINALE
(ANGLAIS)

Test Report

Number: GZHH

Tests Conducted

Tested component(s) : (1) Semi-transparent white plastic (gloves).

4 **Phthalate Content**

By solvent extraction and followed by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

Phthalate	CAS No.	Result (%)	Reporting Limit (%)	Limit (%)
		(1)		
Dibutyl phthalate (DBP)	84-74-2	ND	0.01	0.05
Di-(2-ethyl hexyl) phthalate (DEHP)	117-81-7	ND	0.01	0.1
Benzyl butyl phthalate (BBP)	85-68-7	ND	0.01	0.1
Di-isononyl phthalate (DINP)	28553-12-0	ND	0.01	0.1
Di-isodecyl phthalate (DIDP)	26761-40-0	ND	0.01	0.1

ND = Not detected (less than reporting limit)

Tested component(s) : (1) Semi-transparent white plastic (gloves).

5 **Specific Migration of Phthalate Content Test**

As per Commission Regulation (EU) No.10/2011 and its amendments.

I. Test condition:

Food simulant	Time(hour)	Temperature(°C)
95%(v/v) Ethanol	0.5	40

II. Test result :

Food simulant : 95% Ethanol:

Phthalate	Result(mg/kg)	Reporting Limit (mg/kg)	Limit (mg/kg)
	(1)		
Butyl benzy phthalate (BBP)	ND	1	30
Bis (2-ethylhexyl) phthalate (DEHP)	ND	1	1.5
Dibutyl phthalate (DBP)	ND	0.2	0.3
Di-(iso-nonyl) Phthalate (DINP)	ND	1	9
+ Di-(iso-decyl) phthalate (DIDP)			
Diallyl phthalate (DAP)	ND	0.01	ND

ND = Not detected(less than reporting limit)

Tested component(s) : (1) Semi-transparent white plastic (gloves).



Page 5 of 6



Test Report

Number: GZHH

Tests Conducted

6 **Specific Migration of Bisphenol A Test for Plastic Food Contacting Materials/Articles**

As per Commission Regulation (EU) No.10/2011 and DD CEN/TS 13130-13:2005.

I. Test condition:

Food simulant	Time(hour)	Temperature(°C)
3% (w/v) Acetic acid	0.5	40

II. Test result:

Food Simulant	Result(mg/kg)	Reporting Limit (mg/kg)	Limit (mg/kg)
	(1)		
3% (w/v) Acetic acid	ND	0.01	0.05

ND = Not detected(less than reporting limit)

Tested component(s) : (1) Semi-transparent white plastic (gloves).

7 **Vinyl Chloride Monomer Content**

As per Commission Regulation (EU) No.10/2011 and BS EN 13130-6:2004.

Tested Component	Result (mg/kg)	Reporting Limit (mg/kg)	Limit (mg/kg)
(1)	ND	0.1	1

ND = Not detected(less than reporting limit)

Tested component(s): (1) Semi-transparent white plastic (gloves).

End of report

The statements of conformity reported have considered the decision rule agreed, namely that Intertek have taken account of measurement uncertainty as calculated by Intertek, and applied according to ILAC-G8/09:2019 (Non-binary acceptance based on guard band w = U) except designation from the customer, regulation or test specification.
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Page 6 of 6



5. RAPPORT
DE TESTS –
EUROPE
INTERTEK –
VERSION
ORIGINALE
(ANGLAIS)