

# Certification Report



Contact : C. Wei

- Our references

Report n° : 65001945 / 2019-AG-672p

- Your references

Ref. : 2019-AG-672-01

- Intervention data

Place : Kraainem

Date : 02/08/2019

Performed by : C. Wei

**Shanghai Hua Yue Packaging Products Co., Ltd**

*For the attention of Mr. Yang Changfa*

228 Zhaixing Rd, Zhelin Town, Fengxian District

201416 Shanghai

P.R. China

---

## INITIAL ACCEPTANCE EXAMINATION ON THE BAGS IN THE FRAMEWORK OF THE OK COMPOST HOME CONFORMITY MARK

---

### 1. PURPOSE OF THE EXAMINATION

The aim of the tests and examinations described in this report is to check whether the submitted products (full product description: see § 5 of current report) comply with the requirements stipulated in the OK compost HOME certification scheme.

### 2. REMARKS

Unless mentioned differently, all concentrations are expressed as dry weight percentages.

2.1. **Any change** to a product covered by an OK compost HOME certificate **has to be notified to TÜV AUSTRIA Belgium NV**. This demand is applicable to all type of materials, certified or not, because TÜV AUSTRIA Belgium NV can impossible verify modifications of which it was not informed.

2.2. In order to establish a good and clear communication, we ask Shanghai Hua Yue Packaging Products Co., Ltd to take the following remarks into account while communicating with their customers:

2.2.1. *The OK compost HOME certificate guarantees compostability in a garden compost heap. The OK compost HOME certificate may not be used to make a claim of biodegradation just anywhere in nature or the use of biobased resources. Formal certification to a separate standard such as OK biodegradable SOIL, OK biodegradable WATER, OK biodegradable MARINE or OK biobased is required in order to make such a claim.*

### 3. CERTIFICATION SCHEME AND CRITERIA

- Certification scheme OK 2 – OK compost HOME Edition D (2012-03-02)  
Home compostability of products  
Initial acceptance

Date : 23/08/2019

Number of pages : 3

Enclosure(s) : Infrared Spectroscopy report with ref. 65001945 / 2019-AG-672ir

Distribution : or. Shanghai Hua Yue Packaging Products Co., Ltd  
cc.

For the Manager

#### 4. DOCUMENTS SUBMITTED

- **See our report(s):**
  - /.
- **See test report(s) OWS:**
  - /.
- **Mail(s):**
  - of 23/08/2019 by Mrs. Zhao to Mr. Wei, concerning the tradename
- **Document(s):**
  - Application form, dated 06/06/2019
- **Sample(s):**
  - Samples of bags, arrived 26/07/2019

#### 5. MATERIAL TO CERTIFY

The following products and/or materials are subject of current certification:

- For OK compost HOME:

|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product / Trade name:</b> | HUAYUE PACKAGING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Product type:</b>         | 3.1.1. Bags for collection of biodegradable refuse<br>3.1.2. Shopping bags<br>3.1.3. Bags for loose products                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Material composition:</b> | <u>Film of the bag:</u><br>100 % C200 by Kingfa Sci. & Tech. Co., Ltd.<br><i>OK compost HOME certified ref. TA8021702011</i><br><i>Maximum certified thickness: 63 µm</i><br><br><u>Masterbatch:</u> Max 1 %<br>Envirocolor by Dongguan Jinfuliang Plastic Technology Co Ltd<br><i>OK compost INDUSTRIAL certified ref. TA8011601831</i><br><br><u>Ink for printing:</u> Max. 0.05 %<br>YW ink series by Dongguan Yunchang UV Technology Co. Ltd<br><i>OK compost INDUSTRIAL certified ref. O 16-1946-A</i><br><i>Maximum certified concentrations:</i> <ul style="list-style-type: none"> <li>- The <b>total concentration of all inks</b> must be limited to 0.05 % (dry weight concentration of the ink compared to the total bag).</li> </ul> |
| <b>Colour:</b>               | Various                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Thickness:</b>            | Maximum 60 µm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Production site:</b>      | (1) Same as report address                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Specifications:</b>       | /.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

## 6. EVALUATION

### 6.1 Disintegration requirements

The bags can be accepted for the disintegration requirements of the certification scheme based on the fact that the maximum certified thickness are respected.

### 6.2 Biodegradation, ecotoxicity and material characteristics requirements

The bags can be accepted for the biodegradation, ecotoxicity and material characteristics requirements of the certification scheme based on the following facts:

- C200 is already OK compost HOME certified (see § 5);
- The inks are already OK compost INDUSTRIAL certified (see § 5) and also comply to the OK compost HOME certification scheme.
- The masterbatch is already OK compost INDUSTRIAL (see § 5) and also comply to the OK compost HOME certification schemes when used in a maximum concentration of 1%;
- The total proportion of organic constituents without determined biodegradability does not exceed 1% per constituents and 5 % in total.

## 7. CONCLUSION

Taking into account the above made evaluation and the obtained results during the examinations of the materials, we conclude that the bags fulfil the requirements of the OK compost HOME certification scheme on the condition that the product fully corresponds to the product description in § 5 of the current report.

### OVERVIEW OF EVOLUTIONS

- OK compost HOME:

| Certificate  | Date       | Report         | Evolution             |
|--------------|------------|----------------|-----------------------|
| TA8021903779 | 23/08/2019 | current report | Initial certification |

*This report may only be integrally reproduced, unless authorisation of partial reproduction is given by TÜV AUSTRIA Belgium nv.*

*The test results only bear on the articles submitted to the tests.*

# Infrared Spectroscopy Report



Contact : C. Wei

- Our references

Report n° : 65001945 / 2019-AG-672ir

- Your references

Ref. : 2019-AG-672-01

- Intervention data

Place : Kraainem

Date : 02/08/2019

Performed by : C. Wei

Shanghai Hua Yue Packaging Products Co., Ltd  
*For the attention of Mr. Yang Changfa*  
228 Zhaixing Rd, Zhelin Town, Fengxian District  
201416 Shanghai  
P.R. China

## INFRARED SPECTROSCOPY REPORT OF BAGS

### 1. PURPOSE OF THE EXAMINATION

The aim of the analysis described in this report is to create an infrared fingerprint of the submitted material. This fingerprint can be used to identify the examined compound.

### 2. ANALYSIS METHOD AND APARATUS

|                             |                                                   |
|-----------------------------|---------------------------------------------------|
| Analysis method:            | Fourier Transform Infrared Spectroscopy           |
| Range:                      | Mid-infrared (4000-650 cm <sup>-1</sup> )         |
| Sampling technique:         | Attenuated Total Reflectance (ATR)                |
| Aparatus:                   | Thermo Scientific Nicolet iS10 FT-IR spectrometer |
| Accessory for sampling:     | Smart iTR (ATR) with diamond plate for iS10       |
| Internal reference:         | X73 001                                           |
| Collection parameters:      |                                                   |
| Number of sample scans:     | 32                                                |
| Number of background scans: | 32                                                |
| Resolution                  | 4,000 cm <sup>-1</sup>                            |

### 3. EXAMINED PRODUCT

The following product is submitted to infrared spectroscopy:

|                               |                             |
|-------------------------------|-----------------------------|
| <b>Product description:</b>   | Waste bags and Shopping bag |
| <b>Conformity mark:</b>       | OK compost HOME             |
| <b>Certificate reference:</b> | TA8011903779                |

Origin of the examined product: customer on 26/07/2019.

*This report may only be integrally reproduced, unless authorisation of partial reproduction is given by TÜV AUSTRIA Belgium NV.*

*The test results only bear on the articles submitted to the tests.*

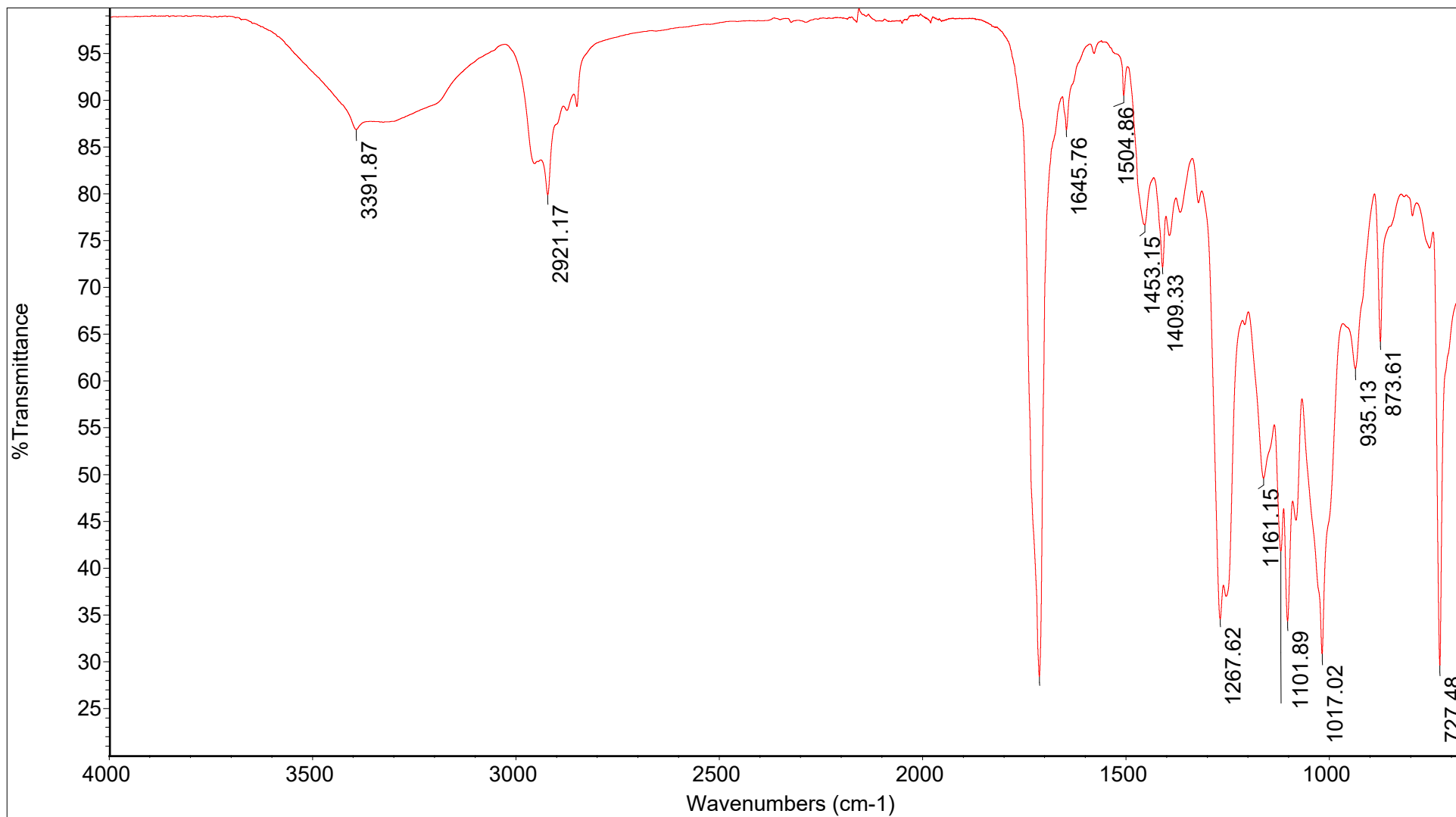
Date : 23/08/2019

Number of pages : 1

Enclosure(s) : Infrared Spectra (ref I12531, I12534)

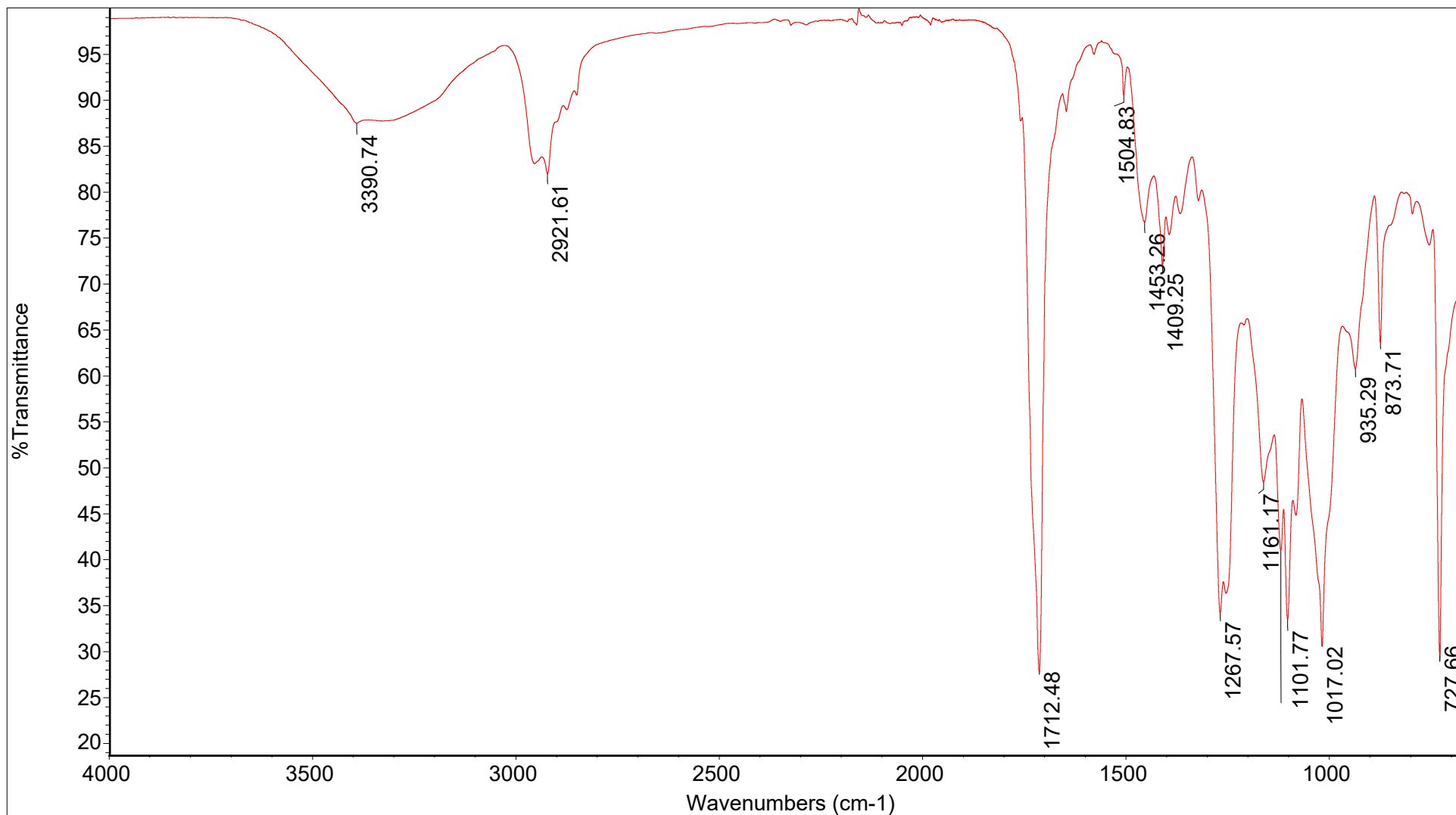
Distribution : or. Shanghai Hua Yue Packaging Products Co., Ltd  
cc.

For the Manager



**TÜV** Infrared Spectrum  
**AUSTRIA Shopping bag**  
I20534\_S1095\_Shopping bag

FTIR Thermo Scientific Nicolet iS10  
ATR Smart iTR Diamond  
Collection time: Fri Aug 02 15:59:55 2019 (GMT+02:00)  
Report time: Fri Aug 02 17:38:18 2019 (GMT+02:00)



**TÜV** Infrared Spectrum  
**AUSTRIA** Waste bag  
I20531\_S1095\_Waste bag

FTIR Thermo Scientific Nicolet iS10  
ATR Smart iTR Diamond

Collection time: Fri Aug 02 15:53:09 2019 (GMT+02:00)

Report time: Fri Aug 02 16:07:05 2019 (GMT+02:00)