



Assessment Report



Contact : S.Wang

- Our references

Report n° : 65006534-2025-AG-0694insp

- Your references

Ref. : 2025-AG-0694-02

- Intervention data

Place : Rotselaar

Date : 25/08/2025

Performed by : A.Bizon

Nantong Jincheng Zencare Technology Co., Ltd
For the attention of Mrs. Amy Jia
No.8, Heli Road, Jiuhua Town, Rugao City
Jiangsu Province
CHINA

INITIAL ACCEPTANCE EXAMINATION ON THE BAGS ACCORDING TO EN 13432

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 of the EN 13432 standard.

This assessment is performed under accreditation according to ISO 17020 and the scope of the accreditation only covers packaging and packaging materials.

2. REMARKS

Unless mentioned differently, all concentrations are expressed as dry weight percentages. Any change to a product covered by the current report cancels its conclusions.

This report only covers uses as packaging or integrations into packaging.

3. ASSESSMENT CRITERIA

- EN 13432:2000

4. DOCUMENTS SUBMITTED

- **Document(s):**

- Application form, not signed, not dated

- **Sample(s):**

- Samples of the bags sent by the customer, arrived 17/07/2025, recording reference: KFN

Date : 25/08/2025

Number of pages : 3

Enclosure(s) : Infrared Spectroscopy Report with Reference 65006534-2025-AG-0694ir

Distribution : or. Nantong Jincheng Zencare Technology Co., Ltd
cc. TÜV AUSTRIA (SHANGHAI) CO., LTD

For the Manager

5. MATERIAL TO ASSESS ACCORDING TO EN 13432

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

Product / Trade name:	Nantong Jincheng Zencare
Product type:	3.1.2 Finished Products – Bags / Sack trade - Shopping bags (check-out bags) 3.1.3 Finished Products – Bags / Sack trade - Bags for loose products (fruit and vegetables and others)
Material composition:	<u>Film of the bag:</u> 100 % C200 by ZHUHAI KINGFA BIOMATERIAL CO.,LTD. <i>Assessed according to EN 13432, see report with ref 65001102-2024-AG-1008insp</i> <i>Maximum assessed thickness: 78 µm</i> <u>Masterbatch: max 5%</u> Envirocolor by DONGGUAN JINFULIANG PLASTIC TECH. <i>Assessed according to EN 13432, see report with ref 09 / 60602855 / 6 11 639p</i> <u>Ink for printing:</u> JIAJING / KAGEM Water-based Printing Ink by GUANGDONG JIAJING TECHNOLOGY CO., LTD. <i>Assessed according to EN 13432, see report with ref 65000820-2024-AG-0757insp</i> <i>Maximum assessed concentrations:</i> - The maximum concentrations of each ink colour pigment is 1.0 % (dry weight concentration of the ink compared to the total bag), as specified in the annex of the relevant report. - The total concentration of all inks must be limited to 5 % (dry weight concentration of the ink compared to the total bag). <i>Nantong Jincheng Zencare Technology Co., Ltd is responsible for applying ink combinations within these restrictions.</i>
Colour:	White translucent or coloured Coloured printing
Thickness:	Maximum nominal thickness: 78 µm

6. ASSESSMENT

6.1 Disintegration requirements

The bags Nantong Jincheng Zencare can be accepted for the disintegration requirements of the EN 13432 based on the following facts:

- The C200 is already assessed according to EN 13432 (see § 5) and its maximum assessed thickness is respected;
- The masterbatches are already assessed according to EN 13432 (see § 5) and their maximum assessed concentrations are respected;
- The masterbatches are used in the concentration below 5% and their function is to colour product;
- The inks do not influence on the disintegration requirements in the used concentrations.

6.2 Biodegradation requirements

The bags Nantong Jincheng Zencare can be accepted for the biodegradation requirements of the EN 13432 based on the following facts:

- The C200 is already assessed according to EN 13432 (see § 5) and its maximum assessed thickness is respected;
- The masterbatches are already assessed according to EN 13432 (see § 5) and their maximum assessed concentrations are respected;
- The inks are used in a concentration below 1 % (total not exceeding 5 %) in the finished product.

6.3 Ecotoxicity and material characteristics requirements

The bags Nantong Jincheng Zencare can be accepted for the ecotoxicity and material characteristics requirements of the EN 13432 based on the following facts:

- The C200 is already assessed according to EN 13432 (see § 5) and its maximum assessed thickness is respected;
- The masterbatches and inks are already assessed according to EN 13432 (see § 5) and their maximum assessed concentrations are respected.

6.4 Verification of the submitted sample(s)

	As stated by the applicant	As checked
Thickness	Maximum nominal thickness: 78 µm	KFN: 21 µm (average)
Colour	White translucent or coloured	Green translucent
Printing	Coloured printing	Black printing
Other characteristics	/	/

Infrared analysis: see report 65006534-2025-AG-0694ir

7. **CONCLUSION**

Taking into account the above made evaluation and the obtained results during the examinations of the materials, we conclude that bags Nantong Jincheng Zencare fulfil the requirements of the EN 13432 on the condition that the product fully corresponds to the product description in § 5 of the current report.

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

Certification Report



Contact : S.Wang

- Our references

Report n° : 65006534-2025-AG-0649cert

- Your references

Ref. : 2025-AG-0649-02

- Intervention data

Place : Rotselaar

Date : 25/08/2025

Performed by : A.Bizon

Nantong Jincheng Zencare Technology Co., Ltd

For the attention of Mrs. Amy Jia

No.8, Heli Road, Jiuhua Town, Rugao City

Jiangsu Province

CHINA

INITIAL ACCEPTANCE EXAMINATION ON THE BAGS IN THE FRAMEWORK OF THE OK COMPOST INDUSTRIAL AND SEEDLING CONFORMITY MARKS

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 INDUSTRIAL and Seedling certification schemes.

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 INDUSTRIAL or Seedling 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 possibly not verify modifications of which it was not informed.

2.2. In order to establish a good and clear communication, we ask Nantong Jincheng Zencare Technology Co., Ltd to take the following remarks into account while communicating with their customers:

2.2.1. *The OK compost INDUSTRIAL and Seedling certificate guarantees compostability in an industrial composting plant. The OK compost INDUSTRIAL or Seedling certificate may not be used to make a claim of home compostability or the use of biobased resources. Formal certification to a separate certification scheme such as OK compost HOME or OK biobased is required in order to make such a claim.*

3. CERTIFICATION SCHEME AND CRITERIA

- Certification scheme OK 01 – OK compost INDUSTRIAL, Edition F (2022-01-01)
Industrial compostability of products
Initial acceptance
- Certification Scheme of European Bioplastics (Seedling mark) –
Products made of industrially compostable materials (2023-07)
Initial acceptance

Date : 25/08/2025

Number of pages : 5

Enclosure(s) : Assessment Report with Reference 65006534-2025-AG-0649insp

Infrared Spectroscopy Report with Reference 65006534-2025-AG-0649ir

Distribution : or. Nantong Jincheng Zencare Technology Co., Ltd

cc. TÜV AUSTRIA (SHANGHAI) CO., LTD

For the Manager

4. DOCUMENTS SUBMITTED

- **Document(s):**
 - Application form, not signed, not dated
 - Agreement for the use of the conformity mark(s), signed 22/08/2025
- **Sample(s):**
 - Samples of bags sent by the customer, arrived 17/07/2025, recording reference: KFN

5. MATERIAL TO CERTIFY

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

- For OK compost INDUSTRIAL:

Product / Trade name:	Nantong Jincheng Zencare
Product type:	3.1.1. Finished Products – Bags / Sack trade - Bags for collection of biodegradable refuse 3.1.2 Finished Products – Bags / Sack trade - Shopping bags (check-out bags) 3.1.3 Finished Products – Bags / Sack trade - Bags for loose products (fruit and vegetables and others)
Material composition:	<u>Film of the bag:</u> 100 % C200 by ZHUHAI KINGFA BIOMATERIAL CO.,LTD. OK compost INDUSTRIAL certified ref. TA8011400932 Maximum certified thickness: 78 µm <u>Masterbatch: max 5%</u> Envirocolor by DONGGUAN JINFULIANG PLASTIC TECH OK compost INDUSTRIAL certified ref. TA8011601831 Seedling certified ref. 7Z2000-D <u>Ink for printing:</u> JIAJING / KAGEM Water-based Printing Ink by GUANGDONG JIAJING TECHNOLOGY CO., LTD OK compost INDUSTRIAL certified ref. TA8012408703 Maximum certified concentrations: - The maximum concentrations of each ink colour pigment is 1.0 % (dry weight concentration of the ink compared to the total bag), as specified in the annex of the relevant OK compost INDUSTRIAL certificate. - The total concentration of all inks must be limited to 5 % (dry weight concentration of the ink compared to the total bag). <i>The licensee is responsible for applying ink combinations within these restrictions.</i>
Colour:	White translucent or coloured Coloured printing
Thickness:	Maximum nominal thickness: 78 µm
Production site:	(1) Same as report address

- For Seedling:

Product / Trade name:	Nantong Jincheng Zencare
Product type:	3.1.1. Finished Products – Bags / Sack trade - Bags for collection of biodegradable refuse
Material composition:	<u>Film of the bag:</u> 100 % C200 by ZHUHAI KINGFA BIOMATERIAL CO.,LTD. <i>Confidential information received by TÜV AUSTRIA</i> <u>Masterbatch:</u> max 5% Envirocolor by DONGGUAN JINFULIANG PLASTIC TECH Seedling certified ref. 7Z2000-D <u>Ink for printing:</u> JIAJING / KAGEM Water-based Printing Ink by GUANGDONG JIAJING TECHNOLOGY CO., LTD <i>Confidential information received by TÜV AUSTRIA</i> Maximum allowed concentrations: - The maximum concentrations of each ink colour pigment are 1.0 % (dry weight concentration of the ink compared to the total bag); - The total concentration of all inks must be limited to 5 % (dry weight concentration of the ink compared to the total bag). <i>The licensee is responsible for applying ink combinations within these restrictions.</i>
Colour:	White translucent or coloured Coloured printing
Thickness:	Maximum nominal thickness: 78 µm
Production site:	(1) Same as report address

6. EVALUATION

6.0 Preliminary evaluation

For OK compost INDUSTRIAL

The assessment of bags Nantong Jincheng Zencare according to EN 13432, is detailed in our report 65006534-2025-AG-0649insp issued under accreditation.

Given the similarities between the requirements of the certification schemes and this standard, the evaluation detailed in this report can be fully transposed for the evaluation according to the OK compost INDUSTRIAL certification scheme.

This evaluation is applicable for the shopping bags (check-out bags) and bags for loose products (fruit and vegetables and others) (packaging) and also for the bags for collection of biodegradable refuse (which was not included in the assessment report since it is not packaging).

For Seedling

The evaluation for the Seedling certification scheme can be found below.

6.1 Disintegration requirements

The bags Nantong Jincheng Zencare can be accepted for the disintegration requirements of the certification scheme based on the following facts:

- The received confidential information about the C200 demonstrates its fulfilment of the disintegration requirements for bags with maximum nominal thickness 78 µm;
- The masterbatches are already Seedling certified (see § 5);
- The masterbatches are used in the concentration below 5% and their function is to colour product;
- The inks do not influence on the disintegration requirements in the used concentrations.

6.2 Biodegradation requirements

The bags Nantong Jincheng Zencare can be accepted for the biodegradation requirements of the certification scheme based on the following facts:

- The received confidential information about the C200 demonstrates its fulfilment of the biodegradation requirements;
- The masterbatches are already Seedling certified (see § 5) and their maximum certified concentrations are respected;
- The inks are used in a concentration below 1 % (total not exceeding 5 %) in the finished product.

6.3 Ecotoxicity and material characteristics requirements

The bags Nantong Jincheng Zencare can be accepted for the ecotoxicity requirements of the certification scheme based on the following facts:

- The received confidential information about the C200 demonstrates its fulfilment of the ecotoxicity requirements;
- The masterbatches are already Seedling certified (see § 5) and their maximum certified concentrations are respected;
- The received confidential information about the inks demonstrates their fulfilment of the ecotoxicity requirements in the used concentrations.

6.4 Material characteristics requirements

The bags Nantong Jincheng Zencare can be accepted for the material characteristics requirements of the certification scheme based on the following facts:

- The received confidential information about the C200 demonstrates its fulfilment of the ecotoxicity requirements;
- The masterbatches are already Seedling certified (see § 5) and their maximum certified concentrations are respected;
- The received confidential information about the inks demonstrates their fulfilment of the ecotoxicity requirements in the used concentrations.
- Calculations demonstrate that for the maximum concentrations of inks as described in § 5, 80 % of the threshold from table A.1 in EN 13432 is not exceeded.

6.5 Verification of the submitted sample(s)

	As stated by the applicant	As checked
Thickness	Maximum nominal thickness: 78 µm	KFN: 21 µm (average)
Colour	White translucent or coloured	Green translucent
Printing	Coloured printing	Black printing
Other characteristics	/	/

Infrared analysis: see report 65006534-2025-AG-0649ir

7. **CONCLUSION**

Taking into account the above made evaluation and the obtained results during the examinations of the materials, we conclude that bags Nantong Jincheng Zencare fulfil the requirements of the OK compost INDUSTRIAL and Seedling certification schemes and therefore also fulfil the requirements of EN 13432 on the condition that the product fully corresponds to the product description in § 5 of the current report.

OVERVIEW OF EVOLUTIONS

- OK compost INDUSTRIAL: all bags

Certificate	Date	Report	Evolution
TA8012509341	25/08/2025	(current report)	Initial certification

- Certification Scheme of the Seedling logo: Bags for collection of biodegradable refuse

Certificate	Date	Report	Evolution
7P2697-A	25/08/2025	(current report)	Initial certification

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

Infrared Spectroscopy Report



Contact : S.Wang

- Our references

Report n° : 65006534-2025-AG-0649ir

- Your references

Ref. : 2025-AG-0649-02

- Intervention data

Place : Rotselaar

Date : 25/08/2025

Performed by : A.Bizon

Nantong Jincheng Zencare Technology Co., Ltd

For the attention of Mrs. Amy Jia

No.8, Heli Road, Jiuhua Town, Rugao City

Jiangsu Province

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 APPARATUS

Analysis method:	Fourier Transform Infrared Spectroscopy
Range:	Mid-infrared (4000-650 cm ⁻¹)
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:	TABE-LAB-01
Collection parameters:	
Number of sample scans:	32
Number of background scans:	32
Resolution	4,000 cm ⁻¹

3. EXAMINED PRODUCT

The following product is submitted to infrared spectroscopy:

Product description:	Shopping bag
Conformity mark:	OK compost INDUSTRIAL / Seedling
Certificate reference:	TA8012509341 / 7P2697-A

Origin of the examined product: sent by customer, received 17/07/2025.

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For the Manager

