

# 013 INDUSTRIES

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## BAGASSE

Packaging food made  
100% biodegradable re-emission in the food cycle



**BRCS**  
Packaging Materials  
CERTIFICATED

CERTIFICATION  
ECOCYCLE NEW MATERIALS



CERTIFICATE FOR AWARDING AND USE OF THE  
"OK COMPOST INDUSTRIAL" CONFORMITY MARK

**amfori**   
Trade with purpose

MONITORING RESULT FOR  
ECOCYCLE NEW MATERIALS

**SGS**

TEST FOOD  
CONTACT

**SGS**

TEST HEAVY  
METAL



**100%**  
**BIODEGRADABLE**  
**DISPOSABLE**  
**PRODUCTS**

# WHAT'S BAGASSE?



## Things?

Bagasse is the dry pulpy fibrous material that remains after crushing sugarcane. Bagasse is completely biodegradable and compostable.



## Features and Benefits

In addition to being compostable and biodegradable, sugar cane is a fast-growing resource given the rapid growth of the sugarcane plant. This fibrous and natural residue is transformed in simple, fast, and practical way into a 100% renewable and compostable product, resisting high temperatures and complying with European regulations for food contact material.



## Usage

Bagasse is used for the production of compostable and biodegradable disposable tableware: plates, take-away containers, bowls and glasses. Bagasse is a sustainable and environmentally friendly alternative to produce building materials, packaging, disposable tableware such as plates, take-away containers, bowls, glasses, forks, knives and so on. Bagasse is an excellent solution for sustainable packaging!



## Our Cellulose Pulp Products

We offers various bagasse products: plates, bowls, and take-away containers; resistant to grease and heat, they can also be used in the oven and microwave. **Make your choice!**



## Customize Products

We offer a wide range of products for BOUNDLESS sectors. As producers, we have the capacity of running with any project or new design our customers should require.



**OUR  
PRODUCTS**



1. Technical properties				Accepted tolerance
<b>Material</b>	6 inch round plate	Natural Sugarcane pulp	Natural brown	
	Outer Packaging	Corrugated paper carton	Brown	
<b>Net weight</b>	Round plate	g/pc	6	±1g
<b>Item Size</b>	Length	cm	15.5	±3%
	With	cm	15.5	±3%
	Closed Height	cm	15	±3%
<b>Packaging</b>	Sleeve	piece	50	
	Carton	piece	1400	
	Carton dimensions	cm	36*33*33.5	

**2. Temperature resistance:** Up to 95 degree Celsius

**3. Storage conditions:** Normal temperature and cool dry

**4. Declared shelf-life:** 1 years

**5. Compostable duration in natural environment:** Decompost in 60-90 days

**6. Food contact:** Product is approved for food contact / we have BRC certification



1. Technical properties				Accepted tolerance
<b>Material</b>	7 inch round plate	Natural Sugarcane pulp	Natural brown	
	Outer Packaging	Corrugated paper carton	Brown	
<b>Net weight</b>	Round plate	g/pc	10.1	±1g
<b>Item Size</b>	Length	cm	18	±3%
	Width	cm	18	±3%
	Closed Height	cm	2	±3%
<b>Packaging</b>	Sleeve	piece	50	
	Carton	piece	1000	
	Carton dimensions	cm	32.5*38*38	

**2. Temperature resistance:** Up to 95 degree Celsius

**3. Storage conditions:** Normal temperature and cool dry

**4. Declared shelf-life:** 1 years

**5. Compostable duration in natural environment:** Decompost in 60-90 days

**6. Food contact:** Product is approved for food contact / we have BRC certification



1. Technical properties				Accepted tolerance
<b>Material</b>	8.6 inch round plate	Natural Sugarcane pulp	Natural brown	
	Outer Packaging	Corrugated paper carton	Brown	
<b>Net weight</b>	Round plate	g/pc	14.4	±1g
<b>Item Size</b>	Length	cm	22	±3%
	With	cm	22	±3%
	Closed Height	cm	2	±3%
<b>Packaging</b>	Sleeve	piece	50	
	Carton	piece	500	
	Carton dimensions	cm	46*30*24	

**2. Temperature resistance:** Up to 95 degree Celsius

**3. Storage conditions:** Normal temperature and cool dry

**4. Declared shelf-life:** 1 years

**5. Compostable duration in natural environment:** Decompost in 60-90 days

**6. Food contact:** Product is approved for food contact / we have BRC certification



1. Technical properties				Accepted tolerance
<b>Material</b>	10 inch round plate	Natural Sugarcane pulp	Natural brown	
	Outer Packaging	Corrugated paper carton	Brown	
<b>Net weight</b>	Round plate	g/pc	17.8	±1g
<b>Item Size</b>	Length	cm	26	±3%
	With	cm	26	±3%
	Closed Height	cm	2	±3%
<b>Packaging</b>	Sleeve	piece	50	
	Carton	piece	500	
	Carton dimensions	cm	53*35*27.5	

**2. Temperature resistance:** Up to 95 degree Celsius

**3. Storage conditions:** Normal temperature and cool dry

**4. Declared shelf-life:** 1 years

**5. Compostable duration in natural environment:** Decompost in 60-90 days

**6. Food contact:** Product is approved for food contact / we have BRC certification





1. Technical properties				Accepted tolerance
<b>Material</b>	10 inch 3-compartment round plate	Natural Sugarcane pulp	Natural brown	
	Outer Packaging	Corrugated paper carton	Brown	
<b>Net weight</b>	Round plate	g/pc	22.6	±1g
<b>Item Size</b>	Length	cm	26	±3%
	Width	cm	26	±3%
	Closed Height	cm	3	±3%
<b>Packaging</b>	Sleeve	piece	50	
	Carton	piece	500	
	Carton dimensions	cm	53*35*27.5	

**2. Temperature resistance:** Up to 95 degree Celsius

**3. Storage conditions:** Normal temperature and cool dry

**4. Declared shelf-life:** 1 years

**5. Compostable duration in natural environment:** Decompost in 60-90 days

**6. Food contact:** Product is approved for food contact / we have BRC certification



1. Technical properties				Accepted tolerance
<b>Material</b>	Three-compartment food box	Natural Sugarcane pulp	Natural brown	
	Outer Packaging	Corrugated paper carton	Brown	
<b>Net weight</b>	Round plate	g/pc	34.9	±1g
<b>Item Size</b>	Length	cm	23.7	±3%
	Width	cm	20	±3%
	Closed Height	cm	3.7	±3%
<b>Packaging</b>	Sleeve	piece	50	
	Carton	piece	300	
	Carton dimensions	cm	48*25*42.5	

**2. Temperature resistance:** Up to 95 degree Celsius

**3. Storage conditions:** Normal temperature and cool dry

**4. Declared shelf-life:** 1 years

**5. Compostable duration in natural environment:** Decompost in 60-90 days

**6. Food contact:** Product is approved for food contact / we have BRC certification



1. Technical properties				Accepted tolerance
<b>Material</b>	Four compartment bento box	Natural Sugarcane pulp	Natural brown	
	Outer Packaging	Corrugated paper carton	Brown	
<b>Net weight</b>	Round plate	g/pc	28.5	±1g
<b>Item Size</b>	Length	cm	23.7	±3%
	Width	cm	20	±3%
	Closed Height	cm	3.7	±3%
<b>Packaging</b>	Sleeve	piece	50	
	Carton	piece	300	
	Carton dimensions	cm	48*25*42.5	

**2. Temperature resistance:** Up to 95 degree Celsius

**3. Storage conditions:** Normal temperature and cool dry

**4. Declared shelf-life:** 1 years

**5. Compostable duration in natural environment:** Decompost in 60-90 days

**6. Food contact:** Product is approved for food contact / we have BRC certification



1. Technical properties				Accepted tolerance
<b>Material</b>	LID for three/four compartment food box	Natural Sugarcane pulp	Natural brown	
	Outer Packaging	Corrugated paper carton	Brown	
<b>Net weight</b>	Round plate	g/pc	19.2	±1g
<b>Item Size</b>	Length	cm	24.5	±3%
	Width	cm	20.8	±3%
	Closed Height	cm	1.1	±3%
<b>Packaging</b>	Sleeve	piece	50	
	Carton	piece	300	
	Carton dimensions	cm	48*25*42.5	

**2. Temperature resistance:** Up to 95 degree Celsius

**3. Storage conditions:** Normal temperature and cool dry

**4. Declared shelf-life:** 1 years

**5. Compostable duration in natural environment:** Decompost in 60-90 days

**6. Food contact:** Product is approved for food contact / we have BRC certification



1. Technical properties				Accepted tolerance
<b>Material</b>	9*6 Bneto box	Natural Sugarcane pulp	Natural brown	
	Outer Packaging	Corrugated paper carton	Brown	
<b>Net weight</b>	Round plate	g/pc	32.9	±1g
<b>Item Size</b>	Length	cm	31.3	±3%
	With	cm	23	±3%
	Closed Height	cm	5	±3%
<b>Packaging</b>	Sleeve	piece	50	
	Carton	piece	500	
	Carton dimensions	cm	45.5*33*48	

**2. Temperature resistance:** Up to 95 degree Celsius

**3. Storage conditions:** Normal temperature and cool dry

**4. Declared shelf-life:** 1 years

**5. Compostable duration in natural environment:** Decompost in 60-90 days

**6. Food contact:** Product is approved for food contact / we have BRC certification



1. Technical properties				Accepted tolerance
<b>Material</b>	8 inch three compartment hinged containers	Natural Sugarcane pulp	Natural brown	
	Outer Packaging	Corrugated paper carton	Brown	
<b>Net weight</b>	Round plate	g/pc	40.6	±1g
<b>Item Size</b>	Length	cm	42.8	±3%
	Width	cm	21	±3%
	Closed Height	cm	4.6	±3%
<b>Packaging</b>	Sleeve	piece	50	
	Carton	piece	200	
	Carton dimensions	cm	46.8*24*42.5	

**2. Temperature resistance:** Up to 95 degree Celsius

**3. Storage conditions:** Normal temperature and cool dry

**4. Declared shelf-life:** 1 years

**5. Compostable duration in natural environment:** Decompost in 60-90 days

**6. Food contact:** Product is approved for food contact / we have BRC certification



1. Technical properties				Accepted tolerance
<b>Material</b>	8inch hinged container	Natural Sugarcane pulp	Natural brown	
	Outer Packaging	Corrugated paper carton	Brown	
<b>Net weight</b>	Round plate	g/pc	36.5	±1g
<b>Item Size</b>	Length	cm	42.7	±3%
	With	cm	21	±3%
	Closed Height	cm	4.6	±3%
<b>Packaging</b>	Sleeve	piece	50	
	Carton	piece	200	
	Carton dimensions	cm	46.8*24*42.5	

**2. Temperature resistance:** Up to 95 degree Celsius

**3. Storage conditions:** Normal temperature and cool dry

**4. Declared shelf-life:** 1 years

**5. Compostable duration in natural environment:** Decompost in 60-90 days

**6. Food contact:** Product is approved for food contact / we have BRC certification



1. Technical properties				Accepted tolerance
<b>Material</b>	9inch three compartment hinged container	Natural Sugarcane pulp	Natural brown	
	Outer Packaging	Corrugated paper carton	Brown	
<b>Net weight</b>	Round plate	g/pc	47.4	±1g
<b>Item Size</b>	Length	cm	46.7	±3%
	Width	cm	23	±3%
	Closed Height	cm	4.8	±3%
<b>Packaging</b>	Sleeve	piece	50	
	Carton	piece	200	
	Carton dimensions	cm	48.5*24*45	

**2. Temperature resistance:** Up to 95 degree Celsius

**3. Storage conditions:** Normal temperature and cool dry

**4. Declared shelf-life:** 1 years

**5. Compostable duration in natural environment:** Decompost in 60-90 days

**6. Food contact:** Product is approved for food contact / we have BRC certification





1. Technical properties				Accepted tolerance
<b>Material</b>	9inch hinged box	Natural Sugarcane pulp	Natural brown	
	Outer Packaging	Corrugated paper carton	Brown	
<b>Net weight</b>	Round plate	g/pc	43.3	±1g
<b>Item Size</b>	Length	cm	46.7	±3%
	With	cm	23	±3%
	Closed Height	cm	4.8	±3%
<b>Packaging</b>	Sleeve	piece	50	
	Carton	piece	200	
	Carton dimensions	cm	48.5*24*45	

**2. Temperature resistance:** Up to 95 degree Celsius

**3. Storage conditions:** Normal temperature and cool dry

**4. Declared shelf-life:** 1 years

**5. Compostable duration in natural environment:** Decompost in 60-90 days

**6. Food contact:** Product is approved for food contact / we have BRC certification



1. Technical properties				Accepted tolerance
<b>Material</b>	6inch Hamburger box	Natural Sugarcane pulp	Natural brown	
	Outer Packaging	Corrugated paper carton	Brown	
<b>Net weight</b>	Round plate	g/pc	25.8	±1g
<b>Item Size</b>	Length	cm	31.3	±3%
	With	cm	15.5	±3%
	Closed Height	cm	4.8	±3%
<b>Packaging</b>	Sleeve	piece	50	
	Carton	piece	500	
	Carton dimensions	cm	58*34*32.1	

**2. Temperature resistance:** Up to 95 degree Celsius

**3. Storage conditions:** Normal temperature and cool dry

**4. Declared shelf-life:** 1 years

**5. Compostable duration in natural environment:** Decompost in 60-90 days

**6. Food contact:** Product is approved for food contact / we have BRC certification



1. Technical properties				Accepted tolerance
<b>Material</b>	420ML hinged food container	Natural Sugarcane pulp	Natural brown	
	Outer Packaging	Corrugated paper carton	Brown	
<b>Net weight</b>	Round plate	g/pc	22.4	±1g
<b>Item Size</b>	Length	cm	25.2	±3%
	Width	cm	17.3	±3%
	Closed Height	cm	4	±3%
<b>Packaging</b>	Sleeve	piece	50	
	Carton	piece	300	
	Carton dimensions	cm	29*38*36	

**2. Temperature resistance:** Up to 95 degree Celsius

**3. Storage conditions:** Normal temperature and cool dry

**4. Declared shelf-life:** 1 years

**5. Compostable duration in natural environment:** Decompost in 60-90 days

**6. Food contact:** Product is approved for food contact / we have BRC certification



1. Technical properties				Accepted tolerance
<b>Material</b>	1912 food tray	Natural Sugarcane pulp	Natural brown	
	Outer Packaging	Corrugated paper carton	Brown	
<b>Net weight</b>	Round plate	g/pc	14.9	±1g
<b>Item Size</b>	Length	cm	18.5	±3%
	With	cm	11.8	±3%
	Closed Height	cm	3.8	±3%
<b>Packaging</b>	Sleeve	piece	50	
	Carton	piece	600	
	Carton dimensions	cm	56*39*24.5	

**2. Temperature resistance:** Up to 95 degree Celsius

**3. Storage conditions:** Normal temperature and cool dry

**4. Declared shelf-life:** 1 years

**5. Compostable duration in natural environment:** Decompost in 60-90 days

**6. Food contact:** Product is approved for food contact / we have BRC certification



1. Technical properties				Accepted tolerance
<b>Material</b>	350ML bowl	Natural Sugarcane pulp	Natural brown	
	Outer Packaging	Corrugated paper carton	Brown	
<b>Net weight</b>	Round plate	g/pc	12.1	±1g
<b>Item Size</b>	Length	cm	18.5	±3%
	With	cm	17.3	±3%
	Closed Height	cm	3.7	±3%
<b>Packaging</b>	Sleeve	piece	50	
	Carton	piece	600	
	Carton dimensions	cm	38*34.5*38	

**2. Temperature resistance:** Up to 95 degree Celsius

**3. Storage conditions:** Normal temperature and cool dry

**4. Declared shelf-life:** 1 years

**5. Compostable duration in natural environment:** Decompost in 60-90 days

**6. Food contact:** Product is approved for food contact / we have BRC certification



1. Technical properties				Accepted tolerance
<b>Material</b>	750ML single salad bowl	Natural Sugarcane pulp	Natural brown	
	Outer Packaging	Corrugated paper carton	Brown	
<b>Net weight</b>	Round plate	g/pc	19	±1g
<b>Item Size</b>	Length	cm	23	±3%
	Width	cm	13.5	±3%
	Closed Height	cm	4.5	±3%
<b>Packaging</b>	Sleeve	piece	50	
	Carton	piece	600	
	Carton dimensions	cm	46*31*48	

**2. Temperature resistance:** Up to 95 degree Celsius

**3. Storage conditions:** Normal temperature and cool dry

**4. Declared shelf-life:** 1 years

**5. Compostable duration in natural environment:** Decompost in 60-90 days

**6. Food contact:** Product is approved for food contact / we have BRC certification



1. Technical properties				Accepted tolerance
<b>Material</b>	450ML square bowl	Natural Sugarcane pulp	Natural brown	
	Outer Packaging	Corrugated paper carton	Brown	
<b>Net weight</b>	Round plate	g/pc	14.4	±1g
<b>Item Size</b>	Length	cm	18	±3%
	With	cm	12.8	±3%
	Closed Height	cm	4.6	±3%
<b>Packaging</b>	Sleeve	piece	50	
	Carton	piece	600	
	Carton dimensions	cm	56*28*38	

**2. Temperature resistance:** Up to 95 degree Celsius

**3. Storage conditions:** Normal temperature and cool dry

**4. Declared shelf-life:** 1 years

**5. Compostable duration in natural environment:** Decompost in 60-90 days

**6. Food contact:** Product is approved for food contact / we have BRC certification



1. Technical properties				Accepted tolerance
<b>Material</b>	550ML square bowl	Natural Sugarcane pulp	Natural brown	
	Outer Packaging	Corrugated paper carton	Brown	
<b>Net weight</b>	Round plate	g/pc	16.2	±1g
<b>Item Size</b>	Length	cm	18	±3%
	Width	cm	12.8	±3%
	Closed Height	cm	5.6	±3%
<b>Packaging</b>	Sleeve	piece	50	
	Carton	piece	600	
	Carton dimensions	cm	60*28*38	

**2. Temperature resistance:** Up to 95 degree Celsius

**3. Storage conditions:** Normal temperature and cool dry

**4. Declared shelf-life:** 1 years

**5. Compostable duration in natural environment:** Decompost in 60-90 days

**6. Food contact:** Product is approved for food contact / we have BRC certification





1. Technical properties				Accepted tolerance
<b>Material</b>	LID for square bowl/box	Natural Sugarcane pulp	Natural brown	
	Outer Packaging	Corrugated paper carton	Brown	
<b>Net weight</b>	Round plate	g/pc	12	±1g
<b>Item Size</b>	Length	cm	19	±3%
	Width	cm	13.8	±3%
	Closed Height	cm	2.7	±3%
<b>Packaging</b>	Sleeve	piece	50	
	Carton	piece	600	
	Carton dimensions	cm	42*40*30	

**2. Temperature resistance:** Up to 95 degree Celsius

**3. Storage conditions:** Normal temperature and cool dry

**4. Declared shelf-life:** 1 years

**5. Compostable duration in natural environment:** Decompost in 60-90 days

**6. Food contact:** Product is approved for food contact / we have BRC certification



1. Technical properties				Accepted tolerance
<b>Material</b>		Natural Sugarcane pulp	Natural brown	
	Outer Packaging	Corrugated paper carton	Brown	
<b>Net weight</b>	Round plate	g/pc	3.5	±10%
<b>Item Size</b>	Length	cm	16.5	
	Width	cm	2.7	
	Closed Height	cm	0.5	
<b>Packaging</b>	Sleeve	piece	50	
	Carton	piece	1000	
	Carton dimensions	cm	34.5*16*22	

**2. Lead time:** around 25-35 days after 30% deposit received.

**3. Product weight:** < 20 g(Error tolerance ± 10%); 20g - 60 g (Error Tolerance ± 8%); > 60g (Error Tolerance ±5 g); 100 pieces/sleeve or >100 pieces/carton (Error Tolerance ± 3%)

**4. Customization** is available since we have tooling dept which can make around 40 sets of toolings every month.

**5. Storage conditions:** room temperature; Keep ventilated and dry; Avoid mixing open flame with chemicals and toxic and harmful articles

**6. Declared shelf-life:** 3 years

**7. Compostable duration in natural environment:** 90 days

**8. Food contact:** Product is approved for food contact / we have BRC certification



1. Technical properties				Accepted tolerance
<b>Material</b>		Natural Sugarcane pulp	Natural brown	
	Outer Packaging	Corrugated paper carton	Brown	
<b>Net weight</b>	Round plate	g/pc	3.5	±10%
<b>Item Size</b>	Length	cm	16.5	
	Wirth	cm	3.33	
	Closed Height	cm	1.1	
<b>Packaging</b>	Sleeve	piece	50	
	Carton	piece	1000	
	Carton dimensions	cm	34.5*19*25	

**2. Lead time:** around 25-35 days after 30% deposit received.

**3. Product weight:** < 20 g(Error tolerance ± 10%); 20g - 60 g (Error Tolerance ± 8%); > 60g (Error Tolerance ±5 g); 100 pieces/sleeve or >100 pieces/carton (Error Tolerance ± 3%)

**4. Customization** is available since we have tooling dept which can make around 40 sets of toolings every month.

**5. Storage conditions:** room temperature; Keep ventilated and dry; Avoid mixing open flame with chemicals and toxic and harmful articles

**6. Declared shelf-life:** 3 years

**7. Compostable duration in natural environment:** 90 days

**8. Food contact:** Product is approved for food contact / we have BRC certification



1. Technical properties				Accepted tolerance
<b>Material</b>		Natural Sugarcane pulp	Natural brown	
	Outer Packaging	Corrugated paper carton	Brown	
<b>Net weight</b>	Round plate	g/pc	4	±10%
<b>Item Size</b>	Length	cm	14.17	
	With	cm	3.5	
	Closed Height	cm		
<b>Packaging</b>	Sleeve	piece	50	
	Carton	piece	1000	
	Carton dimensions	cm	30.5*19*27	

**2. Lead time:** around 25-35 days after 30% deposit received.

**3. Product weight:** < 20 g(Error tolerance ± 10%); 20g - 60 g (Error Tolerance ± 8%); > 60g (Error Tolerance ±5 g); 100 pieces/sleeve or >100 pieces/carton (Error Tolerance ± 3%)

**4. Customization** is available since we have tooling dept which can make around 40 sets of toolings every month.

**5. Storage conditions:** room temperature; Keep ventilated and dry; Avoid mixing open flame with chemicals and toxic and harmful articles

**6. Declared shelf-life:** 3 years

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**8. Food contact:** Product is approved for food contact / we have BRC certification



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CERTIFICATION  
ECOCYCLE NEW MATERIALS



CERTIFICATE FOR AWARDING AND USE OF THE  
"OK COMPOST INDUSTRIAL" CONFORMITY MARK



MONITORING RESULT FOR  
ECOCYCLE NEW MATERIALS



TEST FOOD  
CONTACT



TEST HEAVY  
METAL