



PAPER STRAWS

Legacy for the future



THE CONSEQUENCES OF BAD PLASTIC DECISIONS

'Every single piece of plastic ever made still exists, and will continue existing for at least 500 years'

Data from Greenpeace International

By 2050, it is predicted that current levels of plastic waste will double from the 6.3 billion metric tons already in existence, to 12 billion.

<http://un.environment.org/>

Nearly all of the world's seabirds have eaten plastic

Australia's Commonwealth Scientific and Industrial Research Organization

By 2050, there will be more plastic than fish in the world's oceans, study says

University of British Columbia's Sea Around Us Project



HOW TO MAKE GOOD PAPER CHOICES

IT'S OFFICIAL

"The European parliament has voted to ban single-use plastic cutlery, cotton buds, straws and stirrers as part of a sweeping law against plastic waste that despoils beaches and pollutes oceans." "Today we have taken an important step to reduce littering and plastic pollution in our oceans and seas. Europe is setting new and ambitious standards, paving the way for the rest of the world."

F. Timmermans,
European commission
vice-president

The Guardian

"China, one of the world's biggest users of plastic, has unveiled a major plan to reduce single-use plastics across the country. The restaurant industry will also be banned from using single-use straws by the end of 2020." *

CNN

"Schools in Welsh county are already using paper straws or beakers in schools, stopped using plastic wrappers for paper work and removed plastic cutlery, pre-packed sauce sachets and single-use cups from the civic canteens." "Environmental groups, however, say plastic straw bans are an important step toward their ultimate goal: ending the circulation of single-use plastic." **

National Geographic

"Environmental groups, however, say plastic straw bans are an important step toward their ultimate goal: ending the circulation of single-use plastic." ***

* <https://bit.ly/2vkKEzB>

** <https://cnn.it/2RMivsD>

*** <https://on.natgeo.com/2NXIo6e>

NOT ALL PAPER STRAWS ARE THE SAME

WHAT HAPPENS WHEN YOU PURCHASE PAPER STRAWS FROM A SUPPLIER OUTSIDE OF EUROPEAN REGULATIONS JURISDICTION

“It is worrying that paper, which is the second most used food packaging after plastics, is used in contact with our food without a safety net. With the ambitious ban on single-use plastic around the corner, the EU must ensure that alternatives such as paper and board food packaging are safe for consumers.”

Monique Goyens, Director General of The European Consumer Organisation

“The Office for Consumer Protection and Veterinary Affairs for the Canton of St. Gallen in Switzerland has reported to have found paper drinking straws contaminated with chloropropanols, mineral oil hydrocarbons, and photoinitiators.”

“Chloropropanols can be carcinogenic, and they can be formed during the paper’s production. Mineral oil hydrocarbons exist as different fractions, can be carcinogenic and mutagenic, and can enter food contact materials as intentional additives, through printing inks, through contact with processing equipment, or through recycling and using previously contaminated paper. The primary source of photoinitiators are printing inks.”

“In the absence of EU rules, the tests relied on the levels recommended by the Swiss Government.”

Press release April 25, 2018 by The Swiss Association of Cantonal Chemists (ACCS)

Our paper supplier statement :

We have all food guaranties, safety compared to Asian papers or to some EU papers even.

Our levels MCPD / DCP (Chloropropanols) are fully complying with the EU requirements.

All papers having values over the EU fixed limits are considered as dangerous and potentially carcinogenic.

	EU limit value	Our paper	Asian paper
DCP	2µ/L	<2	11
MCPD	12µ/L	8.6	158



Learn from us about high standard of paper straws manufacturing

IN OUR **100%**
PRODUCTION **EU**
PROCESS **ORIGIN**
WE USE **RAW MATERIAL**



Paper - is FSC® Chain-of-Custody certified for FSC-STD-40-004 Version 3.0 FSC Standard for Chain of Custody Certification - April 2017 FSC-STD-50-001. Sustainable, as made of renewable raw materials - unbleached, 100% biodegradable. Comply according to the test reports provided to us with the legal requirements of the current valid versions of Regulation (EC) 1935/ 2004 of the European Parliament and of the Council of 27th October 2004, on materials and articles intended to come into contact with food. Regulation (EC) 2023/2006 of Commission of 22nd December 2006 amended on good manufacturing practices for materials and articles intended to come into contact with food.

French regulation in force concerning materials and articles intended to come in contact with food, that is to say sanction decree No 2007-766 of 10th May 2007, amended by the decree No 2008-1469 of 30th December 2008. DGCCRF Paper and cardboard sheet of 07th June 2016 on materials and articles intended to come into contact with food in accordance with the regulation.

Recommendation XXXVI of B.f.R on papers and boards intended to come into contact with foodstuffs (version of 11st of September 2017).

USA Code of Federal Regulations - Title 21 Food and Drug Title 21. Part 176-170 (Components of paper and paperboard in contact with aqueous and fatty foods). Part 176-180 (Components of paper and paperboard in contact with dry food).

Glue - Specifically designed and certified for applying to surfaces that come into direct contact with food. Comply according to the test reports provided to us with the legal requirements of the current valid versions of § 64 of the German Food and Feed Code (LFGB) and the German BfR Recommendation XXXVI. on Food Contact Materials and therefore meets all legal requirements of the Regulation (EC) No 1935/2004, particularly with regard to article 3, as with the legal requirements of the Regulation (EU) No 2023/2006.

Inks - water-based flexo inks, specifically designed and certified for printing surfaces that comes into direct contact with food, formulated to the latest CEPE/EuPIA guidelines. This excludes the use of carcinogenic, mutagenic and toxic for reproduction (CMR 1 and 2) or labeled (T) according to the Dangerous Substances Directive 67/548/EEC, substances classified as very toxic (T+) or toxic (T) and pigments based on compounds of Sb, As, Cd, Cr (VI), Pb, Hg, Se. The use of certain dyes, solvents, plasticizers, and miscellaneous materials are also excluded...



MEANING THAT OUR STRAWS ARE 100% SAFE.

HOW IT'S MADE

Our “state of the art” production lines are the latest technology in paper straw manufacturing. From storage, printing, slitting, forming to sterilization and packing we use the most sophisticated equipment and quality control available developed by our own R&D department. Straws manufactured in our facility are made using our own technology developed to make our straws durable and long lasting without using components that will stop the decomposing process or influence the safety of our product.



As our production site is certified in accordance with current ISO 9001:2015 standard requirements and HACCP food safety principles, we have established an efficient quality assurance and quality control system. By means of an HACCP analysis, a hazard identification and a risk assessment were executed for the manufacturing site in which we produce paper straws. This ensures that we are able to control and monitor our finished goods from raw materials to product distribution. Our production process and every product are certified in accordance with EU food safety regulations EC 1935/2004.

Our process documentation of each manufacturing stage enables us to provide the appropriate authorities with the necessary information at any time.

PAPER STRAW PRODUCTION ON A INDUSTRIALE SCALE RIGHT HERE IN EUROPE



RODA
PACKAGING

Dimensions:

STRAW SIZE GUIDE

230mm

195mm

140mm

120mm

Ø5mm Ø6mm Ø6mm Ø8mm Ø8mm Ø10mm

Colors:



White 100%



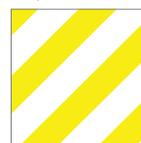
Black 100%



Cyan stripe 7mm



Magenta stripe 7mm



Yellow stripe 7mm



Black stripe 7mm



Red stripe 7mm



Orange stripe 7mm



Purple stripe 7mm



Green stripe 7mm



Blue stripe 7mm

Colors option:

We also offer any color on demand, limited to direct food contact ink available.

Personalization

We can add almost any logo or design to your straws. Send us your logo, and we will create a virtual sample.

SMALL

Ø5
120

PaperStraws Ø5x120mm

Do you serve a delicious on the go ice coffee on your cafe or do you have a signature juice? And do you need an environmentally friendly alternative to plastic straws? Then we have the right paper straws for you, where the durability is in the top and without being afraid of the straw changing the flavor of the drink.



Material:	Paper
Surface:	Mat
Diameter:	5 mm
Length:	120 mm
Weight:	0.6 gram
OPP pack:	100 pcs
Retail pack:	300 pcs [95x95x145 mm]
Transport box:	4.800 pcs [39x39x21 cm] 6kg
Palet:	288.000 pcs [1.2x0.8x2.3 m] 360kg

White 100%	
PSW5120-300	Retail pack: 300 pcs
PSW5120-100	OPP pack: 100 pcs

Black 100%	
PSB5120-300	Retail pack: 300 pcs
PSB5120-100	OPP pack: 100 pcs

Cyan stripe 7mm	
PSWC5120-300	Retail pack: 300 pcs
PSWC5120-100	OPP pack: 100 pcs

Magenta stripe 7mm	
PSWM5120-300	Retail pack: 300 pcs
PSWM5120-100	OPP pack: 100 pcs

Yellow stripe 7mm	
PSWY5120-300	Retail pack: 300 pcs
PSWY5120-100	OPP pack: 100 pcs

Black stripe 7mm	
PSWB5120-300	Retail pack: 300 pcs
PSWB5120-100	OPP pack: 100 pcs

Red stripe 7mm	
PSWR5120-300	Retail pack: 300 pcs
PSWR5120-100	OPP pack: 100 pcs

Orange stripe 7mm	
PSWO5120-300	Retail pack: 300 pcs
PSWO5120-100	OPP pack: 100 pcs

Purple stripe 7mm	
PSWP5120-300	Retail pack: 300 pcs
PSWP5120-100	OPP pack: 100 pcs

Green stripe 7mm	
PSWG5120-300	Retail pack: 300 pcs
PSWG5120-100	OPP pack: 100 pcs

Blue stripe 7mm	
PSWDB5120-300	Retail pack: 300 pcs
PSWDB5120-100	OPP pack: 100 pcs

Custom color	
CMYK	We can print any color on your request in accordance with food-grade ink available.



120mm

Ø5mm



Box size: W95 H145 D95

Made from Sustainable Resources



Biodegradable



SHORT

Ø6
140

PaperStraws Ø6x140mm

Do you serve a delicious on the go ice coffee on your cafe or do you have a signature juice? And do you need an environmentally friendly alternative to plastic straws? Then we have the right paper straws for you, where the durability is in the top and without being afraid of the straw changing the flavor of the drink.



Material:	Paper	
Surface:	Mat	
Diameter:	6 mm	
Length:	140 mm	
Weight:	0.73 gram	
OPP pack:	100 pcs	
Retail pack:	250 pcs	[95x95x145 mm]
Transport box:	4.000 pcs	[38x38x20 cm]
Palet:	240.000 pcs	[120x80x200 cm]

140mm



Box size: W95 H145 D95

Made from Sustainable Resources



Biodegradable



Ø6mm

	White 100% PSW6140-250 Retail pack: 250 pcs PSW6140-100 OPP pack: 100 pcs
	Black 100% PSB6140-250 Retail pack: 250 pcs PSB6140-100 OPP pack: 100 pcs
	Cyan stripe 7mm PSWC6140-250 Retail pack: 250 pcs PSWC6140-100 OPP pack: 100 pcs
	Magenta stripe 7mm PSWM6140-250 Retail pack: 250 pcs PSWM6140-100 OPP pack: 100 pcs
	Yellow stripe 7mm PSWY6140-250 Retail pack: 250 pcs PSWY6140-100 OPP pack: 100 pcs
	Black stripe 7mm PSWB6140-250 Retail pack: 250 pcs PSWB6140-100 OPP pack: 100 pcs
	Red stripe 7mm PSWR6140-250 Retail pack: 250 pcs PSWR6140-100 OPP pack: 100 pcs
	Orange stripe 7mm PSWO6140-250 Retail pack: 250 pcs PSWO6140-100 OPP pack: 100 pcs
	Purple stripe 7mm PSWP6140-250 Retail pack: 250 pcs PSWP6140-100 OPP pack: 100 pcs
	Green stripe 7mm PSWG6140-250 Retail pack: 250 pcs PSWG6140-100 OPP pack: 100 pcs
	Blue stripe 7mm PSWDB6140-250 Retail pack: 250 pcs PSWDB6140-100 OPP pack: 100 pcs
	Custom color We can print any color on your request in accordance with food-grade ink available.

STANDARD Ø6
195

PaperStraws Ø6x195mm

Do you serve a delicious on the go ice coffee on your cafe or do you have a signature juice? And do you need an environmentally friendly alternative to plastic straws? Then we have the right paper straws for you, where the durability is in the top and without being afraid of the straw changing the flavor of the drink.



Material:	Paper	
Surface:	Mat	
Diameter:	6 mm	
Length:	195 mm	
Weight:	1.1 gram	
OPP pack:	100 pcs	
Retail pack:	250 pcs	[95x95x200 mm]
Transport box:	4.000 pcs	[39x39x21 cm]
Palet:	240.000 pcs	[120x80x200 cm]

	White 100% PSW6195-250 Retail pack: 250 pcs PSW6195-100 OPP pack: 100 pcs
	Black 100% PSB6195-250 Retail pack: 250 pcs PSB6195-100 OPP pack: 100 pcs
	Cyan stripe 7mm PSWC6195-250 Retail pack: 250 pcs PSWC6195-100 OPP pack: 100 pcs
	Magenta stripe 7mm PSWM6195-250 Retail pack: 250 pcs PSWM6195-100 OPP pack: 100 pcs
	Yellow stripe 7mm PSWY6195-250 Retail pack: 250 pcs PSWY6195-100 OPP pack: 100 pcs
	Black stripe 7mm PSWB6195-250 Retail pack: 250 pcs PSWB6195-100 OPP pack: 100 pcs
	Red stripe 7mm PSWR6195-250 Retail pack: 250 pcs PSWR6195-100 OPP pack: 100 pcs
	Orange stripe 7mm PSWO6195-250 Retail pack: 250 pcs PSWO6195-100 OPP pack: 100 pcs
	Purple stripe 7mm PSWP6195-250 Retail pack: 250 pcs PSWP6195-100 OPP pack: 100 pcs
	Green stripe 7mm PSWG6195-250 Retail pack: 250 pcs PSWG6195-100 OPP pack: 100 pcs
	Blue stripe 7mm PSWDB6195-250 Retail pack: 250 pcs PSWDB6195-100 OPP pack: 100 pcs
	Custom color We can print any color on your request in accordance with food-grade ink available.



195 mm



Box size: W95 H200 D95

Made from Sustainable Resources



Biodegradable



Ø6mm



GIANT

Ø8
195

PaperStraws Ø8x195mm

Do you serve a delicious on the go ice coffee on your cafe or do you have a signature juice? And do you need an environmentally friendly alternative to plastic straws? Then we have the right paper straws for you, where the durability is in the top and without being afraid of the straw changing the flavor of the drink.



195 mm

Material:	Paper
Surface:	Mat
Diameter:	8 mm
Length:	195 mm
Weight:	1.5 gram
OPP pack:	100 pcs
Retail pack:	150 pcs [95x95x200 mm]
Transport box:	2.400 pcs [39x39x21 cm]
Palet:	144.000 pcs [120x80x200 cm]



Box size: W95 H200 D95

Made from Sustainable Resources



Biodegradable



White 100%

PSW8195-150 Retail pack: 150 pcs
PSW8195-100 OPP pack: 100 pcs

Black 100%

PSB8195-150 Retail pack: 150 pcs
PSB8195-100 OPP pack: 100 pcs

Cyan stripe 7mm

PSWC8195-150 Retail pack: 150 pcs
PSWC8195-100 OPP pack: 100 pcs

Magenta stripe 7mm

PSWM8195-150 Retail pack: 150 pcs
PSWM8195-100 OPP pack: 100 pcs

Yellow stripe 7mm

PSWY8195-150 Retail pack: 150 pcs
PSWY8195-100 OPP pack: 100 pcs

Black stripe 7mm

PSWB8195-150 Retail pack: 150 pcs
PSWB8195-100 OPP pack: 100 pcs

Red stripe 7mm

PSWR8195-150 Retail pack: 150 pcs
PSWR8195-100 OPP pack: 100 pcs

Orange stripe 7mm

PSWO8195-150 Retail pack: 150 pcs
PSWO8195-100 OPP pack: 100 pcs

Purple stripe 7mm

PSWP8195-150 Retail pack: 150 pcs
PSWP8195-100 OPP pack: 100 pcs

Green stripe 7mm

PSWG8195-150 Retail pack: 150 pcs
PSWG8195-100 OPP pack: 100 pcs

Blue stripe 7mm

PSWDB8195-150 Retail pack: 150 pcs
PSWDB8195-100 OPP pack: 100 pcs

Custom color

CMYK

We can print any color on your request in accordance with food-grade ink available.

Ø8mm

JUMBO

Ø8
230

PaperStraws Ø8x230mm

Do you serve a delicious on the go ice coffee on your cafe or do you have a signature juice? And do you need an environmentally friendly alternative to plastic straws? Then we have the right paper straws for you, where the durability is in the top and without being afraid of the straw changing the flavor of the drink.



230 mm

Material:	Paper
Surface:	Mat
Diameter:	8 mm
Length:	230 mm
Weight:	1.55 gram
OPP pack:	100 pcs
Retail pack:	150 pcs [95x95x240 mm]
Transport box:	2.400 pcs [39x39x25 cm]
Palet:	115.200 pcs [120x80x192 cm]



Box size: W95 H240 D95

Made from Sustainable Resources



Biodegradable



White 100%

PSW8230-150 Retail pack: 150 pcs
PSW8230-100 OPP pack: 100 pcs

Black 100%

PSB8230-150 Retail pack: 150 pcs
PSB8230-100 OPP pack: 100 pcs

Cyan stripe 7mm

PSWC8230-150 Retail pack: 150 pcs
PSWC8230-100 OPP pack: 100 pcs

Magenta stripe 7mm

PSWM8230-150 Retail pack: 150 pcs
PSWM8230-100 OPP pack: 100 pcs

Yellow stripe 7mm

PSWY8230-150 Retail pack: 150 pcs
PSWY8230-100 OPP pack: 100 pcs

Black stripe 7mm

PSWB8230-150 Retail pack: 150 pcs
PSWB8230-100 OPP pack: 100 pcs

Red stripe 7mm

PSWR8230-150 Retail pack: 150 pcs
PSWR8230-100 OPP pack: 100 pcs

Orange stripe 7mm

PSWO8230-150 Retail pack: 150 pcs
PSWO8230-100 OPP pack: 100 pcs

Purple stripe 7mm

PSWP8230-150 Retail pack: 150 pcs
PSWP8230-100 OPP pack: 100 pcs

Green stripe 7mm

PSWG8230-150 Retail pack: 150 pcs
PSWG8230-100 OPP pack: 100 pcs

Blue stripe 7mm

PSWDB8230-150 Retail pack: 150 pcs
PSWDB8230-100 OPP pack: 100 pcs

Custom color

CMYK We can print any color on your request in accordance with food-grade ink available.

Ø8mm

EXTRA BIG

Ø10
230

PaperStraws Ø10x230mm

Do you serve a delicious on the go ice coffee on your cafe or do you have a signature juice? And do you need an environmentally friendly alternative to plastic straws? Then we have the right paper straws for you, where the durability is in the top and without being afraid of the straw changing the flavor of the drink.



230 mm

Material:	Paper
Surface:	Mat
Diameter:	10 mm
Length:	230 mm
Weight:	1.55 gram
OPP pack:	80 pcs
Retail pack:	90pcs [95x95x240 mm]
Transport box:	1.440 pcs [39x39x25 cm]
Palet:	69.120 pcs [120x80x192 cm]



Box size: W95 H240 D95

Made from Sustainable Resources



Biodegradable



White 100%

PSWI0230-90 Retail pack: 90 pcs
PSWI0230-80 OPP pack: 80 pcs

Black 100%

PSBI0230-90 Retail pack: 90 pcs
PSBI0230-80 OPP pack: 80 pcs

Cyan stripe 7mm

PSWC10230-90 Retail pack: 90 pcs
PSWC10230-80 OPP pack: 80 pcs

Magenta stripe 7mm

PSWM10230-90 Retail pack: 90 pcs
PSWM10230-80 OPP pack: 80 pcs

Yellow stripe 7mm

PSWY10230-90 Retail pack: 90 pcs
PSWY10230-80 OPP pack: 80 pcs

Black stripe 7mm

PSWB10230-90 Retail pack: 90 pcs
PSWB10230-80 OPP pack: 80 pcs

Red stripe 7mm

PSWR10230-90 Retail pack: 90 pcs
PSWR10230-80 OPP pack: 80 pcs

Orange stripe 7mm

PSWO10230-90 Retail pack: 90 pcs
PSWO10230-80 OPP pack: 80 pcs

Purple stripe 7mm

PSWP10230-90 Retail pack: 90 pcs
PSWP10230-80 OPP pack: 80 pcs

Green stripe 7mm

PSWG10230-90 Retail pack: 90 pcs
PSWG10230-80 OPP pack: 80 pcs

Blue stripe 7mm

PSWDB10230-90 Retail pack: 90 pcs
PSWDB10230-80 OPP pack: 80 pcs

Custom color

CMYK

We can print any color on your request in accordance with food-grade ink available.

Ø10mm

PACKAGING DESIGN

Our graphic arts design studio can create anything your brand needs. Let us arrange packaging according to your ideas, give us a chance to make premium quality for you.



ABOUT RODA PACKAGING

We are member of the Roda Group investment company and the biggest paper straw manufacturer in Central and Eastern Europe. Our capacity is 300,000,000 straws per month and counting.

We aim to produce paper straws for an affordable price so that our customers can easily transit away from plastic with a minimum extra cost.

Our mission is to provide a sustainable alternative solution to plastic straw use.

Roda Packaging d.o.o. Opovo
Bratstva jedinstva 91, Opovo, Serbia
PIB: 111358208 MB: 21468592
www.rodapackaging.com

- **Belgrade Office:** tel: +381 11 4500102, Todora Dukina 61, 11000 Belgrade
- **Sales Department:** sales@rodapackaging.com, tel: +381 11 4500103
- **Administration:** office@rodapackaging.com, tel: +381 11 4500105
- **Corporate Communications:** pr@rodapackaging.com, tel: +381 11 4500106
- **Legal Department:** legal@rodapackaging.com, tel: +381 11 4500107
- **Production Plant:** production@rodapackaging.com, tel: +381 11 4500104
- **Bank:** AIK Banka 105-0000000014231-16, IBAN: RS35105058312001010744, BIC: AIKBRS22

**PAPER
STRAWS**
RODA

