


An underwater photograph showing a significant amount of plastic waste floating in clear, greenish water. The waste includes several pieces of clear plastic bags, a white plastic bottle lying on its side, and various smaller fragments of plastic and debris. The scene is brightly lit, with light rays visible through the water. The text 'PLASTIC BAGS' is overlaid in large, white, bold, sans-serif capital letters in the center of the image.

# PLASTIC BAGS



An underwater photograph showing a large, spotted shark swimming in clear blue water. The shark is covered in numerous small, white plastic bags, which are also floating in the water around it. The scene is filled with plastic debris, including bags and fragments, illustrating the impact of marine pollution on marine life.

**KILL  
MARINE  
LIFE**





# SUFFOCATE THE PLANET





**DESTROY  
HABITATS**





PLASTICS ARE

**NOT**

SUSTAINABLE



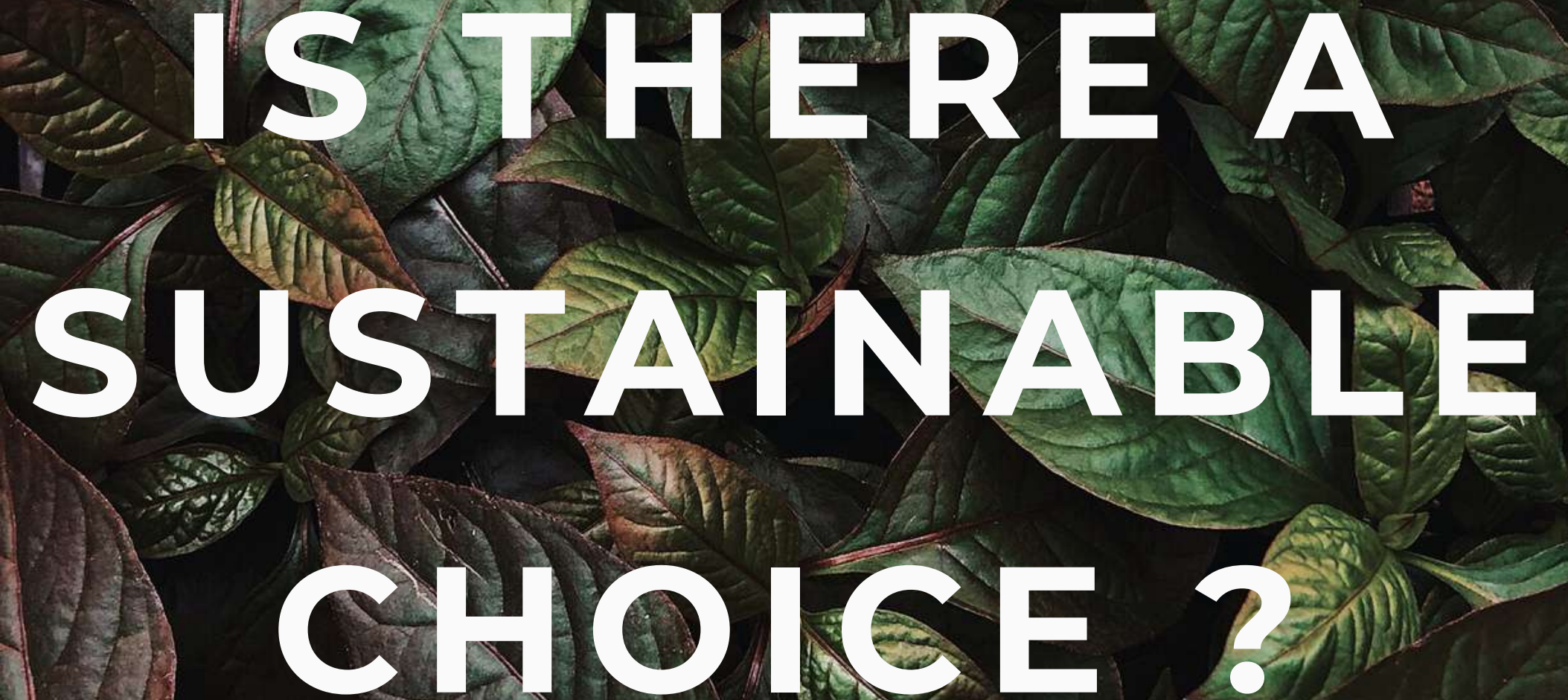
# DID YOU KNOW?

## APPAREL PLASTIC PACKAGING IS A THREAT TO OUR PLANET

- PLASTIC GARMENT BAGS CAN TAKE UP TO 1,000 YEARS TO DECOMPOSE IN LANDFILLS, RELEASING HARMFUL TOXINS AND MICROPLASTICS INTO SOIL AND GROUNDWATER. (SOURCE: UN ENVIRONMENT PROGRAM)
- ESTIMATED AROUND 500,000 TONNES OF MICROPLASTIC FIBERS, WHICH INCLUDE MICROFIBERS FROM TEXTILES, ARE RELEASED INTO THE OCEANS EACH YEAR.( SOURCE: IN THE IUCN STUDY)
- IN THE U.S., APPROXIMATELY 12 BILLION PLASTIC GARMENT BAGS ARE DISCARDED ANNUALLY, CONTRIBUTING TO LANDFILLS. (SOURCE: SECONDARY MATERIALS AND RECYCLED TEXTILES ASSOCIATION)
- ONLY 9% OF THE PLASTIC WASTE GENERATED IN THE APPAREL INDUSTRY IS RECYCLED EACH YEAR, LEAVING A STAGGERING 91% TO POLLUTE THE ENVIRONMENT. (SOURCE: ELLEN MACARTHUR FOUNDATION)
- COLLABORATIVE INITIATIVES AMONG BRANDS, SUPPLIERS, AND CONSUMERS HAVE THE POTENTIAL TO REDUCE PLASTIC PACKAGING WASTE BY UP TO 50% WITHIN THE NEXT FIVE YEARS. (SOURCE: WORLD WILDLIFE FUND)







**IS THERE A  
SUSTAINABLE  
CHOICE ?**



A dense forest of tall evergreen trees, likely redwoods or sequoias, with a thick canopy of green needles. The trees are tall and slender, with dark trunks. The foliage is vibrant green, and the overall scene is a lush, natural setting. The word "YES!" is overlaid in large, bold, white, sans-serif capital letters in the center of the image.

**YES!**





**ECOBAGS**





# ECO-BAGS

## THE RIGHT CHOICE

FINDING SUSTAINABLE ALTERNATIVES, SUCH AS WATER-SOLUBLE ECO-BAGS, IS CRUCIAL. THIS HELPS TO SAVE THE ENVIRONMENT BY MINIMIZING THE USE OF SINGLE-USE PLASTIC BAGS, WHICH CONTAMINATE OCEANS AND LAND.

SUSTAINABILITY IS ETHICAL AND LOGICAL AND IT IS THE ONLY WAY FORWARD FOR US TO PROTECT OUR FUTURE GENERATION FROM MICROPLASTICS AND THE LOSS OF MARINE LIFE.

CONSUMERS CARE ABOUT WHAT COMPANIES DO, AND SWITCHING TO LOW-CARBON-IMPACT MATERIALS SHOWS YOUR COMMITMENT TO THE CAUSE.



A close-up photograph of a person's hands cupped together, holding a small amount of dark soil and a young green plant with several leaves. The background is a soft-focus field of green plants and leaves. The text is overlaid on the image.

**WHY SWITCH  
TO ECO BAGS?**

**A DOZEN REASONS**



## #1 DISSOLVES IN WATER

COMPLETELY DISSOLVES IN HOT WATER, SIMILAR TO SUGAR.

## #2 PLANT-FRIENDLY

EMITS NO HAZARDOUS COMPOUND OR DANGEROUS RESIDUES THAT AFFECT PLANT GROWTH.

## #3 SAFE FOR MARINE LIFE

EXTENSIVELY TESTED TO ENSURE NO HARM TO MARINE LIFE.  
(ACUTE TOXICITY TEST REPORT)\*

## #4 HARMLESS TO ANIMALS

EXTENSIVELY TESTED TO ENSURE NO HARM TO ANIMALS.  
(RSL REPORT)\*\*

## #5 HUMAN-SAFE

IS FREE FROM TOXIC CHEMICALS AND HAZARDOUS COMPONENTS  
(RSL REPORT)\*\*

## #6 BIODEGRADABLE

DEGRADES NATURALLY OVER TIME. (TEST REPORT)\*\*\*

\*REPORT PAGE #26/#27

\*\*\*REPORT PAGE #28

\*\*REPORT PAGE #23/#24





## #7 RECYCLABILITY

CONTRIBUTION TO THE CIRCULAR ECONOMY LIES IN ITS REUSABILITY AS FRESH MATERIAL.

## #8 COMPOSTABLE

COMPOSTS COMPLETELY WITHOUT LEAVING ANY RESIDUE.  
(GREENPLATEST REPORT) \*

## #9 LONG SHELF LIFE

UP-TO 3 YEARS, WHEN STORED IN RECOMMENDED CONDITIONS.

## #10 TRANSPARENT

THIS BAG CAN BE TRANSPARENT.

## #11 STRONGER

COMPARED TO COMMON BAGS, THIS PRODUCT IS STRONGER WHILE OFFERING ENVIRONMENTAL BENEFITS.

## #12 ENVIRONMENT FRIENDLY

DISSOLVES IN WATER, PLANT FRIENDLY, MARINE SAFE, ANIMAL FRIENDLY, HUMAN SAFE, BIODEGRADABLE, RECYCLABLE, COMPOSTABLE.

\*REPORT PAGE #29







**BRANDING**

**ADVANTAGES**





## **ENHANCED BRAND IMAGE AND LOYALTY**

EMBRACING SUSTAINABILITY ATTRACTS ECO CONSCIOUS CUSTOMERS, ENHANCES BRAND IMAGE AND FOSTERS LONG-TERM CUSTOMER LOYALTY.

## **REDUCED WASTE MANAGEMENT FEES**

ECO-FRIENDLY BAGS HELP REDUCE PLASTIC WASTE, LEADING TO POTENTIAL COST SAVINGS IN WASTE MANAGEMENT.

## **AVOIDANCE OF FINES AND PENALTIES**

ENSURE ADHERENCE TO REGULATIONS TO PREVENT FINES AND PENALTIES LINKED TO NON-COMPLIANCE.

## **LONG-TERM BENEFITS**

DESPITE THE HIGHER INITIAL COST, THE LONG-TERM BENEFITS IN TERMS OF BRAND VALUE AND ASSOCIATED REVENUE GROWTH, OUTWEIGH THE UPFRONT INVESTMENT.



A close-up photograph of several large, vibrant green leaves. The leaves have prominent, parallel veins and are covered with numerous small, clear water droplets of varying sizes. The lighting is soft, highlighting the texture of the leaves and the glistening surface of the water.

**THERE  
IS NO  
PLANET-B**



# ECO-BAG PRODUCT PICTURE





The image features a dense arrangement of large, vibrant green leaves with prominent veins. The leaves are covered in numerous small, glistening water droplets, suggesting a recent rain or mist. The background is a deep, dark green, which makes the lighter green of the leaves stand out. In the center of the image, the letters 'FAQ' are written in a bold, bright green, sans-serif font. The 'F' and 'A' are connected, and the 'Q' has a small tail that curves downwards and to the right. The overall composition is a close-up, top-down view of the foliage, creating a fresh and natural aesthetic.

**FAQ**





# Q1: IS THERE ANY TESTING AND QUALITY CERTIFICATES?

**A: YES, LIST OF CERTIFICATIONS**

**COSTCO SMART SCREENING RSL TEST \***

(CHEMICAL SCREENING FOR PACKAGING MATERIALS)

**CERTIFIED BY BPI FOR COMPOSTABILITY & BIODEGRADABILITY.\*\***

(ASTM D6400(USA) AND/OR D6868) & GB/T 19276.1-2003(IDT ISO 14851:1999)

**COMPLIES WITH THE "JBPA" COMPOSTABLE STANDARDS & (CERTIFIED BY GREENPLA, A LABEL THAT GUARANTEES BIODEGRADABILITY AND ECO- FRIENDLINESS. \*\*\***

(DIN EN 13432:2000-12)

**CERTIFIED FOR ACUTE IMMOBILIZATION TOXICITY FACTOR TEST FOR DAPHNIA AND FISH.\*\*\*\***

(GB/T 21830-2008 & GB/T 21830-2007)

\*REPORT PAGE #23/#24

\*\*\*REPORT PAGE #29

\*\*REPORT PAGE #28

\*\*\*\*REPORT PAGE #26/#27





## **Q2: CAN I ADD MY BRANDING ON IT & WITH HOW MANY COLORS ?**

A: YES WE CAN HELP YOU DESIGN & PRINT YOUR BRANDING ON IT UP TO FOUR COLORS.

## **Q3: HOW DO I USE THE ECO-BAG?**

A: THIS BAG CAN REPLACE THE ORDINARY POLY BAG FOR MOST PURPOSES. THE ONLY EXCEPTION, IT SHOULDN'T BE EXPOSED TO ANY KIND OF LIQUIDS.

## **Q4: WILL WATER, MOISTURE OR HEAT AFFECT THE ECO BAG AND GARMENTS DURING TRANSIT?**

A: SUGGEST TO USE MASTER POLY BAGS AND PROPER HANDLING TO PROTECT ECO BAG FROM WATER AND MOISTURE. HEAT DOES NOT MAKE ANY IMPACT ON ECO BAG QUALITY.





## **Q5: AT WHAT TEMPERATURE IT GETS DISSOLVE ?**

A: IN HOT WATER AT 70-80°C WITHIN MINUTES, LEAVING NO MICROPLASTICS RESIDUE.

## **Q6: WHAT IS THE SHELF LIFE ?**

A: AT ROOM TEMPERATURE (20-25°C), IT CAN LAST UP-TO 3 YEARS.

## **Q7: IS IT AVAILABLE IN DIFFERENT SIZE / THICKNESS ?**

A: YES, WE CAN CUSTOMIZE ACCORDING TO YOUR REQUIREMENTS.



An underwater photograph showing a sea turtle swimming in clear blue water. The turtle is positioned in the center, facing left. Above the turtle, a large, crumpled white plastic bag floats. Below the turtle, a clear plastic bottle with a white cap floats. The text 'CERTIFICATES' is overlaid in large, bold, green capital letters across the top half of the image.

**CERTIFICATES**

**&**

**REPORTS**



# COSTCO RSL



## Test Report

No. VNSL2306022311TX-01 Date: Jul 11, 2023 Page 1 of 15

This report cancels and supersedes the report No. VNSL2306022311TX dated Jul 07, 2023 issued by SGS Vietnam Ltd.

### CORTEX TEXTILE LIMITED

LOT D, ROAD NO.3, LIEN CHIEU INDUSTRIAL ZONE, HOA HIEP BAC WARD,  
LIEN CHIEU DISTRICT, DA NANG CITY, VIETNAM.

The following sample was submitted and identified by the client as:

Sample No.	Sample Description
a	CORTEX PVA ECO BAG + GREEN PRINTING

Sample Receiving Date : Jun 28, 2023. Confirmation date: Jun 29, 2023 & Jul 11, 2023  
 Test Performing Period : Jun 28, 2023 – Jul 07, 2023  
 Performed Test Summary : Selected test(s) as requested by applicant against client's specified requirement (details please refer to result page(s)).  
 Test Results : Please refer to the next page(s).  
 Overall Conclusion : **PASS**

### Chemical Test

Smart Screening Test

### Overall Result

(a)  
M

Remarks : M = Meet client's requirement  
 F = Below client's requirement  
 \* = No specified requirement

Note: Conclusions on are based on the test result from the actual sampling of the received sample(s).

Signed for and on behalf of  
**SGS Vietnam LTD**



Rhodora Quinto  
 Softlines Lab Manager



## Test Report

No. VNSL2306022311TX-01 Date: Jul 11, 2023 Page 2 of 15

### Component List / List of Materials

Sample No.	Material No.	Component	Material	Color	Fiber Type	Remark
a	1	Transparent/green plastic individual eco bag	Plastic	Transparent/green	-	-

### PHOTO OF SUBMITTED SAMPLE:



VNSL2306022311TX

(a)



# COSTCO RSL



Modern Testing Services

## COSTCO TOYS/ HARDLINES PRE-PRODUCTION TEST REPORT

Page 1 of 10

LAB LOCATION: DONG GUAN, CHINA  
DATE IN: June 27, 2023

REPORT NUMBER: 63123-060927  
DATE OUT: June 30, 2023

Applicant:	CORTEX TEXTILE LIMITED
Department:	/
Address :	No 30 Zhongxing Road, Yangshe town, Economic Development Area Zhangjiagang, Jiangsu, China
E-mail:	<a href="mailto:karthik@cortextextile.com">karthik@cortextextile.com</a> ; <a href="mailto:xu@cortextextile.com">xu@cortextextile.com</a>
Copy To:	/

<b>OVERALL RATING</b>	
PASS	X
FAIL	--
DATA	--
<p>Note: Rating based on laboratory tests. Final disposition determined by Costco.</p> <p>Does this test Report include one or many of follow destinations? US/ MEX / .COM / .MX YES <input checked="" type="checkbox"/> NO <input type="checkbox"/></p> <p>If yes, is item CPSIA regulated? YES <input type="checkbox"/> NO <input type="checkbox"/></p>	

### TESTING FOR Costco Smart Screening for packaging material

#### Sample Information

Sample Submitted By:	Costco <input type="checkbox"/>	Vendor <input checked="" type="checkbox"/>
	Inspection Pull <input type="checkbox"/>	Inspection Report No.:/
	Purchase Order Number:	/
	Product Description:	ECO BAG
	With Packaging <input type="checkbox"/>	Without Packaging <input checked="" type="checkbox"/>
	Costco Item Number:	/
	Costco QA Code:	/
	Model Number:	/
	Assortment:	/
Factory Information	Company Name:	/
	Location Name:	/
Supplier Information	Company Name:	CORTEX TEXTILE LIMITED
	Division Name:	/
	Country of Destination:	US
	Country of Origin:	/
	No. of Samples Submitted:	1 pack
	Ship Date:	/



63123-060927



Modern Testing Services

Page 2 of 10  
Report Number: 63123-060927

Testing Status			
Production	<input type="checkbox"/>	Warehouse Pull	<input type="checkbox"/>
Retest	<input type="checkbox"/>	Previous Report No.:	/
Revised Report:	<input type="checkbox"/>	Reason for revision:	/
Addendum Report	<input type="checkbox"/>	Reason for addendum:	/

Test Property	Rating			Fed/State Regulation	Voluntary Standards	Costco Standards	Product Specifications
	PASS	FAIL	DATA				
Labeling (Label Review)	--	--	--	--	--	--	--
Product Specifications	--	--	--	--	--	--	--
Construction Qualities	--	--	--	--	--	--	--
Performance	--	--	--	--	--	--	--
Costco Smart Screening	X	--	--	--	--	--	--
Flammability	--	--	--	--	--	--	--
Lead Test	--	--	--	--	--	--	--
CA Prop 65 - Current Consent Decree Review	--	--	--	--	--	--	--
Other (Costco Plastic Bag Warning Statement)	--	--	--	--	--	--	--
Document Review	--	--	--	--	--	--	--

#### Smart Screening Summary:

Product and Packaging Material Smart Screening Overall Ratings				
Destination on Report	Regulation-Product	Regulation-Packaging	Costco Screening Protocol - Product	Costco Screening Protocol - Packaging
US	NR	PASS		
Destination on Test Request	Regulation-Product	Regulation-Packaging	NR	PASS
US	NR	PASS		

Cited CSS Regulatory Discrepancies For this report

NA



Modern Testing Services

Page 10 of 10  
Report Number: 63123-060927

#### Exhibit:



#### NOTE:

If there is question or concern regarding the above results, please contact the appropriate lab person below:

Contact: Connie Cui

TEL: (861769 8112 0818 Ext. 852

Email: [Connie.Cui@cot.eurofinscn.com](mailto:Connie.Cui@cot.eurofinscn.com)



# ODOUR TESTING

## Test Report - Products



Report No.: 180266515a 001

Page 1 of 4

Client: CORTEX TEXTILES LTD

Contact Information: No.30, Zhongxing Road, Yangshe Town, Economic Development Area, Zhangjiagang Jiangsu

Identification/ Model No(s): Vietnam - cortex eco bag

Sample obtaining method: Sending by customer

Condition at delivery: Test item complete and undamaged.

Sample Receiving date: 2023-07-04

Testing Period: 2023-07-04 to 2023-07-05

Place of testing: Chemical laboratory Ningbo

### Test Specification:

Customer's requirement:

1. Odour, qualitative

### Test result:

Please refer to result page

## Products



Test Report No.: 180266515a 001

Page 3 of 4

### 1.Odour, qualitative

Test Method: Ref. to SNV 195 651: 1968

### Test Result:

Test No.	Material No.	Test Parameter	Test Result
T001	A001	Odour, qualitative	1

Evaluation scheme (in deviation from product specific odour):

- 1 = odourless
- 2 = weak
- 3 = bearable
- 4 = intense/annoying
- 5 = unbearable

## Products



Test Report No.: 180266515a 001

Page 2 of 4

### Material List:

Item: Vietnam - cortex eco bag

Material No.	Material	Color	Location
A001	Plastic + printing	green/transparent	VN

## Products



Test Report No.: 180266515a 001

Page 4 of 4

### Sample Photo





# MARINE SAFE

## Fish acute toxicity test

### 1. Materials and methods

#### 1.1. Sample Treatment

Seven gram of sample and 7 L DE chlorinated tape water were added into the mixing device (stirring for 24 hours at  $23^{\circ}\text{C} \pm 2^{\circ}\text{C}$ ). After stirring, the 1000 mg/L soaking solution was obtained by filtration. The 1 mg/L, 10 mg/L and 100 mg/L experimental solution were obtained by diluting the 1000 mg/L soaking solution step by step.

#### 1.2. Test Organisms and Test Environment

##### 1.2.1. Test Organisms

Zebrafish (*Brachydanio rerio*) with an average body length from 1.5 cm~2.0 cm, were held in DE water for 7 days before testing. The lot number is BMY20201214.

##### 1.2.2. Test Environment

Light: 12 hours photoperiod daily. Temperature:  $23.8^{\circ}\text{C}$ ~ $24.4^{\circ}\text{C}$ .

##### 1.2.3. Experimental Water

Experimental Water: DE chlorinated tape water, pH 7.20. Total hardness: 45 mg/L.

#### 1.3. Appliance Number

Electronic balance: 201638As8004, Oxygen Meter: 201638JWJ003, Hydrotimeter: 200738JWK610, Thermometer: 11063.

#### 1.4. Test Method

The semi-static method was used in the test, and the test period was 96 h. The test solution was replaced in every 24 hours. No fish were feed during the test. Four sample concentrations (1mg/L, 10mg/L, 100 mg/L and 1000 mg/L) and black control were set for the test. Ten fish and 5 L solution were placed in each tank. The fish were inspected within 24, 48, 72 and 96 hours when the test began. The pH and dissolved oxygen of the experimental solution were detected and recorded every day.

### 2. Results:

Neither abnormal clinical symptoms nor premature deaths were found during the test period (Attached table 1). The water quality results were shown in the Attached table 2.

### 3. Conclusions

Under the experimental condition, the 96h-LC<sub>50</sub> of the sample to zebra fish is more than 1000 mg/L, the test sample was not classified as acute toxic substances in water environment.





# MARINE SAFE

March 16, 2021

Page 3 of 3

Attached table 2 Water Quality of *Daphnia magna* Acute Immobilisation Test

Concentration (mg/L)	pH		DO(%)	
	0 h	48 h	0 h	48 h
0	7.90	7.93	99.1	92.5
		7.85		93.4
		7.83		91.8
		7.91		92.6
1000	7.83	7.80	99.3	93.6
		7.86		92.4
		7.77		94.8
		7.82		92.1

Attached table 3 The Result of *Daphnia magna* Acute Immobilisation Test to Potassium  
Dichromate

Concentration (mg/L)	Number of Daphnia	The Number of Immobilization Daphnia	
		24 h	
0.00	20	0	
0.25	20	0	
0.45	20	2	
0.80	20	5	
1.50	20	17	
2.70	20	20	
24 h-EC <sub>50</sub>	1.07 mg/L	95% Confidence Intervals	0.92 mg/L~1.27 mg/L



# BIODEGRADABILITY

## Determination of the ultimate aerobic biodegradability of plastic materials in an aqueous medium

Sample: ECO-DW-HF Film Reference material: Cellulose

Volume of test vessels: 400mL

Reference standard: GB/T 19276.1-2003 (IDT ISO 14851:1999)

Result of the test:

	45d degree of biodegradation %	72d final degree of biodegradation %
Sample	73.7	75.5
Reference material	78.4	90.5

Validity criteria:

(1) Whether the degree of biodegradation of reference material was more than 60% at end of test ?

YES

NO

(2) Whether the difference between percentage biodegradation of each vessel was less than 20% at the end of test ?

YES

NO



COMMERCIALY  
COMPOSTABLE ONLY.  
FACILITIES MAY NOT  
EXIST IN YOUR AREA.  
CERT #8604066


By: Rhodes Yepsen  
BPI Executive Director



# GREENPLA



## CERTIFICATE

<b>Product</b>	Products made of compostable materials
<b>Type, Model</b>	film for bags
<b>Testing basis</b>	DIN EN 13432:2000-12 Certification scheme products made of compostable materials (2020-01)
<b>Mark of conformity</b>	 kompostierbar
<b>Registration No.</b>	7P0444
<b>Valid until</b>	2026-04-30
<b>Right of use</b>	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.

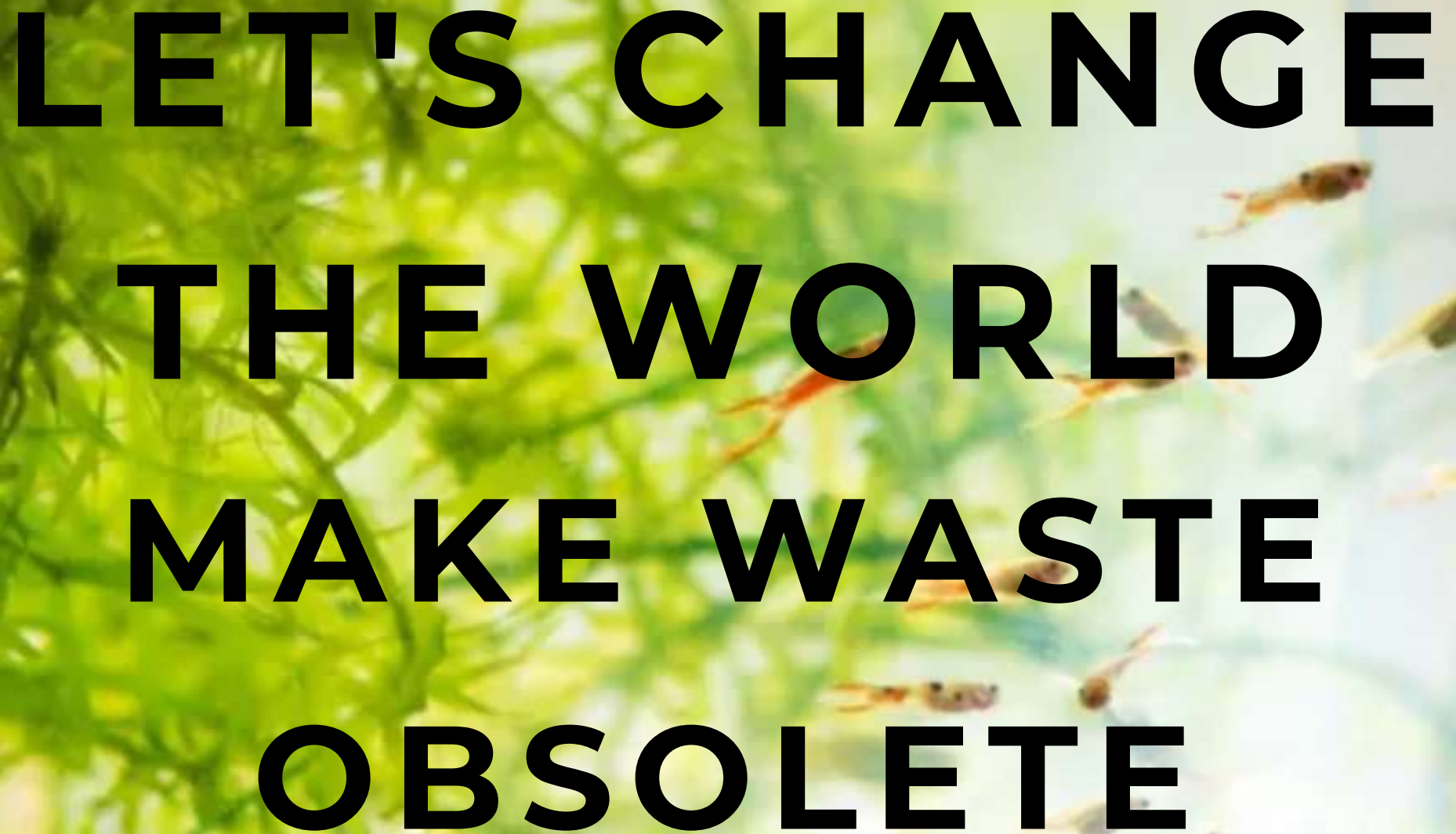


2023-03-30  
Dipl.-Phys. Carlo Seiser  
Head of Certification Body

*C. Seiser*







**LET'S CHANGE  
THE WORLD  
MAKE WASTE  
OBSOLETE.**

**INFO@CORTEXTILE.COM**