

**Report No.:** 238548762b 001

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**Client:** WONDER GREENER CO., LTD.

**Contact Information:** 10F.-3, NO. 63, SEC. 5, NANJING E. RD., SONGSHAN DIST., TAIPEI CITY 105, Taiwan, R.O.C.

**Test item(s):** 1 material(s) of natural material, brown

**Identification/** 艸吸管 Grass Straws

**Model No(s):**

**Sample obtaining method:** Sending by customer

**Condition at delivery:** Test item complete and undamaged.

**Sample Receiving date:** 2022-10-07

**Testing Period:** 2022-10-07 – 2022-10-28

**Place of testing:** TÜV Rheinland Hong Kong Ltd.

**Test Specification:**

Testing according to customer's specification for the following parameters:

1. Phthalates (DEHP, DBP, BBP, DINP, DIDP, DnHP/DHEXP)
2. Heavy Metal content (Pb, Cd, Hg, Cr(VI), As, Co)
3. Bisphenol-A content
4. Pentachlorophenol (PCP)
5. Polycyclic aromatic hydrocarbons (PAHs)

**Test result:**

Refer to result page

For and on behalf of  
TÜV Rheinland Taiwan Ltd.

Arthur Cheng



2022-10-28

Arthur Cheng / Project Manager

Date

Name/Position

*Sample information is provided by customer. Test result is drawn according to the kind and extent of tests performed.*

*This test report relates to the above mentioned test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.*

*'Decision Rule' document announced in our website (<https://www.tuv.com/landingpage/en/qm-gcn/>) describes the statement of conformity and its rule of enforcement for test results are applicable throughout this test report.*

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**Material List:**

Item: 艸吸管 Grass Straws

Material No.	Material	Color	Location
M001	Natural Material	Brown	TCL221007-02

**1. Phthalates (DEHP, DBP, BBP, DINP, DIDP, DnHP/DHEXP)**

Test Method: Organic solvent extraction, analyzed by GCMS

**Test Result:**

				Test No.	T001
				Material No.	M001
Test Parameter	CAS NO	Unit	RL	Result	
Dibutyl phthalate (DBP)	84-74-2	%	0.005	< RL	
Benzylbutyl phthalate (BBP)	85-68-7	%	0.005	< RL	
Diethylhexyl phthalate (DEHP)	117-81-7	%	0.005	< RL	
Diisodecyl phthalate (DIDP)	26761-40-0, 68515-49-1	%	0.005	< RL	
Diisononyl phthalate (DINP)	28553-12-0, 68515-48-0	%	0.005	< RL	
Di-n-hexyl phthalate (DnHP)	84-75-3	%	0.005	< RL	

**Abbreviation:** < = less than  
 RL = Reporting Limit  
 % = percentage

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**2. Heavy Metal content (Pb, Cd, Hg, Cr(VI), As, Co)**

Test Method: Acid digestion, analyzed by ICP-OES

**Test Result:**

Test No.	Material No.	Test Parameter	Unit	RL	Test Result
T001	M001	Lead	ppm	10	< RL
		Cadmium	ppm	10	< RL
		Mercury	ppm	10	< RL
		Chromium VI	ppm	10	< RL
		Arsenic	ppm	10	< RL
		Cobalt	ppm	10	< RL

**Abbreviation:** < = less than  
 RL = Reporting Limit  
 ppm = parts per million

**3. Bisphenol-A content**

Test Method: Organic solvent extraction, LC-MS/MS

**Result:**

Test No.	Material No.	Test Parameter	Unit	RL	Test Result
T001	M001	Bisphenol-A	mg/kg	0.1	< RL

**Abbreviation:** < = less than  
 RL = Reporting Limit  
 mg/kg = milligram per kilogram

**4. Pentachlorophenol (PCP)**

 Test Method: Ref. to 64 LFGB B 82.02-8: 2001  
 # Ref. to ISO 17070:2015

**Test Result:**

Test No.	Material No.	Test Parameter	Unit	RL	Test Result
T001	M001	Pentachlorophenol (PCP)	mg/kg	0.1	< RL

**Abbreviation:** < = less than  
 RL = Reporting Limit  
 mg/kg = milligram per kilogram

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**5. Polycyclic aromatic hydrocarbons (PAHs)**

Test Method: AfPS GS 2019:01 PAK

**Test Result:**

Test No.				T001
Material No.				M001
Test Parameter	CAS NO	Unit	RL	Result
Anthracene	120-12-7	mg/kg	0.2	< RL
Benzo[a]anthracene	56-55-3	mg/kg	0.2	< RL
Benzo[a]pyrene(BaP)	50-32-8	mg/kg	0.2	< RL
Benzo[b]fluoranthene	205-99-2	mg/kg	0.2	< RL
Benzo[k]fluoranthene	207-08-9	mg/kg	0.2	< RL
Benzo[j]fluoranthene	205-82-3	mg/kg	0.2	< RL
Benzo[g,h,i]perylene	191-24-2	mg/kg	0.2	< RL
Benzo[e]pyrene	192-97-2	mg/kg	0.2	< RL
Chrysene	218-01-9	mg/kg	0.2	< RL
Dibenzo[a,h]anthracene	53-70-3	mg/kg	0.2	< RL
Fluoranthene	206-44-0	mg/kg	0.2	< RL
Indeno[1,2,3-cd]pyrene	193-39-5	mg/kg	0.2	< RL
Naphthalene	91-20-3	mg/kg	0.2	< RL
Phenanthrene	85-01-8	mg/kg	0.2	< RL
Pyrene	129-00-0	mg/kg	0.2	< RL
Sum of, Anthracene, Fluoranthene, Phenanthrene, Pyrene	-	mg/kg	0.2	<RL
Sum of 15 PAHs	-	mg/kg	0.2	<RL

**Abbreviation:** < = less than  
 RL = Reporting Limit  
 mg/kg = milligram per kilogram

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Sample Photo



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