

Test Report No.: 68.431.21.10066.04D

Dated: 2021-03-16



Applicant : INCREDIBLE HUSK SDN. BHD.
(Company No. 202001009776 - 1366096-M) A-30-02,
Tower A, Level 30 Pinnacle @ PJ, Jalan Utara C, 46200
Petaling Jaya, Selangor, MALAYSIA

Sample Description : Rice Husks Fiber products, Brown color, surface is rough

Supplier : Husk's Renewable Material Technology Co., LTD

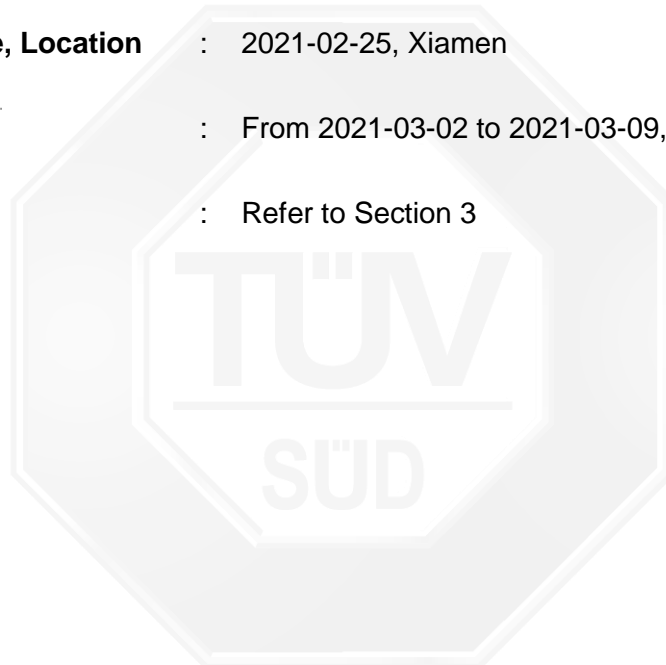
Manufacturer : Husk's Renewable Material Technology Co., LTD

Country of Origin : China

Test Sample Receipt Date, Location : 2021-02-25, Xiamen

Test Period, Location : From 2021-03-02 to 2021-03-09, Shenzhen

Test Result(s) : Refer to Section 3





Purpose Of Examination / Conclusion:

No.	Test Item(s)	Conclusion
	Test according to Restriction of Hazardous Substances (RoHS) Directive 2011/65/EU and its amendment Directive (EU) 2015/863	
1.	Heavy Metals Content Test (Total Cadmium, Total Lead, Total Mercury, Hexavalent Chromium)	Pass
2.	Brominated Flame Retardants (PBBs & PBDEs)	Pass
3.	Phthalates (DEHP, BBP, DBP and DIBP)	Pass

Remarks:

- (1) The results relate only to the items tested.
- (2) Samples are tested as received.
- (3) The test items and samples were selected by client.
- (4) All results are transferred from previous report 68.431.21.10066.04A issued on 2021-03-16.
- (5) "Pass" means the measured result is within a limit, even when extended by expanded uncertainty. "Fail" means the measured result is beyond a limit, even when extended by expanded uncertainty. "Inconclusive" means the measured result can be within or beyond a limit when extended by expanded uncertainty. The confidence level of the expanded uncertainty for "pass", "Fail" and "Inconclusive" is 95%.

TUV SUD Certification and Testing (China) Co., Ltd. Shenzhen Branch.
TUV SUD Group

Prepared by:

Reviewed by:



Eva Liang
Project Manager

Brady Yu
Section Manager

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1. Description of the Test Sample:

Sample Description	Rice Husks Fiber products, Brown color, surface is rough
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2. List of Materials as identified by the Laboratory:

T. No.	Sample No.	Colour and Description	Photograph
T1	002	Brown composite material cup	



Laboratory:
TÜV SÜD Certification and

Testing (China) Co., Ltd.
Shenzhen Branch

Phone : +86 755 8828 6998
Fax: +86 755 8828 5299

E-mail: toys_hardline@tuvsud.com
Web : <http://www.tuvsud.cn>

Regd. Office:

TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen
Branch

Building 12&13, Zhiheng Wisdomland Business Park,
Nantou Checkpoint Road 2, 518052, P. R.
China



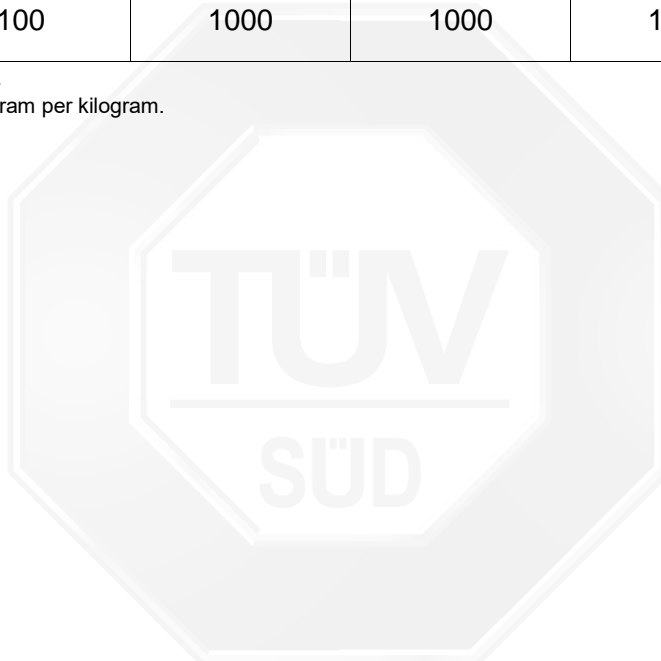
3. Test Result

3.1 Heavy Metals Content Test (Total Cadmium, Total Lead, Total Mercury, Hexavalent Chromium)

Test method: Microwave digestion / Acid digestion by ICP-OES with reference to EN 62321-4:2014 / A1:2017, EN 62321-5:2014, EN 62321-7-1:2015 and EN 62321-7-2:2017 (For Hexavalent Chromium)
 [Reporting Limit= 10.0 mg/kg]

Sample	Total Cadmium [mg/kg]	Total Lead [mg/kg]	Total Mercury [mg/kg]	Hexavalent Chromium [mg/kg]	Conclusion
002	<10.0	<10.0	<10.0	<10.0	Pass
RoHS Requirement	100	1000	1000	1000	--

Note 1. "<" denotes less than.
 2. "mg/kg" denotes milligram per kilogram.





3.2 Brominated Flame Retardants (PBBs & PBDEs)

Test Method: With reference to EN 62321-6:2015, extraction with toluene and analyzed by Gas Chromatography and Mass Spectrometry (GC-MS).

[Reporting Limit = 5mg/kg]

Test Item		Results [mg/kg]	RoHS Requirement [mg/kg]
		Sample 002	
PBBs	Monobromobiphenyl	<5	Sum of PBBs < 1000
	Dibromobiphenyl	<5	
	Tribromobiphenyl	<5	
	Tetrabromobiphenyl	<5	
	Pentabromobiphenyl	<5	
	Hexabromobiphenyl	<5	
	Heptabromobiphenyl	<5	
	Octabromobiphenyl	<5	
	Nonabromobiphenyl	<5	
	Decabromobiphenyl	<5	
	Sum of detected PBBs	<50	
PBDEs	Monobromodiphenyl ether	<5	Sum of PBDEs < 1000
	Dibromodiphenyl ether	<5	
	Tribromodiphenyl ether	<5	
	Tetrabromodiphenyl ether	<5	
	Pentabromodiphenyl ether	<5	
	Hexabromodiphenyl ether	<5	
	Heptabromodiphenyl ether	<5	
	Octabromodiphenyl ether	<5	
	Nonabromodiphenyl ether	<5	
	Decabromodiphenyl ether	<5	
	Sum of detected PBDEs	<50	

- Note 1. "<" denotes less than
 2. "mg/kg" denotes milligram per kilogram



3.3 Phthalates (DEHP, BBP, DBP and DIBP)

Test Method: with reference to EN 62321-8:2017, extracted by organic solvent and analyzed by Gas Chromatography and Mass Spectrometry (GC-MS).

[Reporting Limit = 50mg/kg]

Test Item	CAS No.	Result [mg/kg]
		Sample 002
Di-iso-butyl Phthalate (DIBP)	84-69-5	<50
Di-butyl Phthalate (DBP)	84-74-2	<50
Butyl-benzyl Phthalate (BBP)	85-68-7	<50
Di-(2-ethyl-hexyl) Phthalate (DEHP)	117-81-7	<50
RoHS Requirement		Each < 1000

- Note 1. "<" denotes less than
 2. "mg/kg" denotes milligram per kilogram

-- END OF THE TEST REPORT --

