

Test Report No.: 68.431.21.02961.01CR1

Dated: 2021-08-11



Applicant : Spector & Co

Address : /

Sample Description : The Grind Recycled Reuse

PO / Order No. : Po 71669, Po 31733

Style No. : DW604

Supplier : USS049

Country of Origin : China

Country of Destination : CANADA & U.S.A.

Test Sample Receipt Date, Location : 2021-06-08, 2021-06-21, Shenzhen

Test Period, Location : From 2021-06-08 to 2021-06-25, Shenzhen

Test Result(s) : Refer to Section 3

Laboratory:
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Purpose Of Examination / Conclusion:

No.	Test Item(s)	Conclusion
1.	US California Proposition 65 - Total Cadmium Content Test - Substrate Materials	Pass*
2.	US California Proposition 65 - Total Cadmium Content Test - Paint and Similar Surface-Coating Materials	Pass*
3.	US California Proposition 65 - Total Lead Content Test - Substrate Materials	Pass*
4.	US California Proposition 65 - Total Lead Content Test - Paint and Similar Surface-Coating Materials	Pass*
5.	Canadian Consumer Products Containing Lead Regulations SOR/2018-83 - Total Lead Content Test	Pass
6.	Canadian Surface Coating Materials Regulations SOR/2016-193 – Total Lead Content Test	Pass
7.	Phthalates Content (11P)	Pass*
8.	US California Proposition 65 - Phthalates Content (6P)	Pass*
9.	U.S. CFR Title 16 Part 1307 - Toys and Childcare Articles - Phthalates Content (8P)	Pass
10.	Canadian Surface Coating Materials Regulations SOR/2016-193 - Total Mercury Content Test	Pass
11.	FDA CFR Title 21 Part 177.1210 Test for compliance with the selected requirement(s) in U.S. F.D.A. C.F.R. 21. Part 177.1210	Pass
12.	FDA CFR Title 21 Part 177.1460 Test for compliance with the selected requirement(s) in U.S. F.D.A. C.F.R. 21. Part 177.1460	Pass
13.	FDA CFR Title 21 Part 178.3800 Test for compliance with the selected requirement(s) in U.S. F.D.A. C.F.R. 21. Part 178.3800	Pass
14.	Total Bisphenol A Content	Pass*

Remarks:

- (1) The results relate only to the items tested.
- (2) Samples are tested as received.
- (3) "*" denotes the conclusion was drawn according to the client's specification.
- (4) The test item and samples were specified by the client.
- (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%.
- (6) "ND" denotes below the Report Limit

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(7) All results are transferred from 68.431.21.02961.01A issued on 2021-07-07.

(8) This report supersedes previous report 68.431.21.02961.01C issued on 2021-08-04. As per client's request, update the sample description on page 1 & 4, and update the Style No. from "DW6004" to "DW604".

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

Prepared by:

Reviewed by:



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<Senior Project Coordinator>

<Ken Chen>
<Project Manager>

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1. Description of the Test Sample:

Sample Description	The Grind Recycled Reuse
	



2. List of Materials as identified by the Laboratory:

T. No.	Sample No.	Colour and Description	Photograph
T1	001	Chocolate plastic (60% coffee grounds, 20% cornstarch & 20% A5 Melamine material) (Mug) (DW6003)	
T2	002	Brown / chocolate plastic (60% coffee grounds, 20% cornstarch & 20% A5 Melamine material) (Mug) (DW6004)	
T3	003	Transparent coating (Mug) (DW6004)	
T4	004	Translucent white silicone (Sealing ring) (DW6004)	

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T. No.	Sample No.	Colour and Description	Photograph
T5	005	Transparent printed brown / chocolate plastic (Mug) (DW6004)	



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3. Test Result

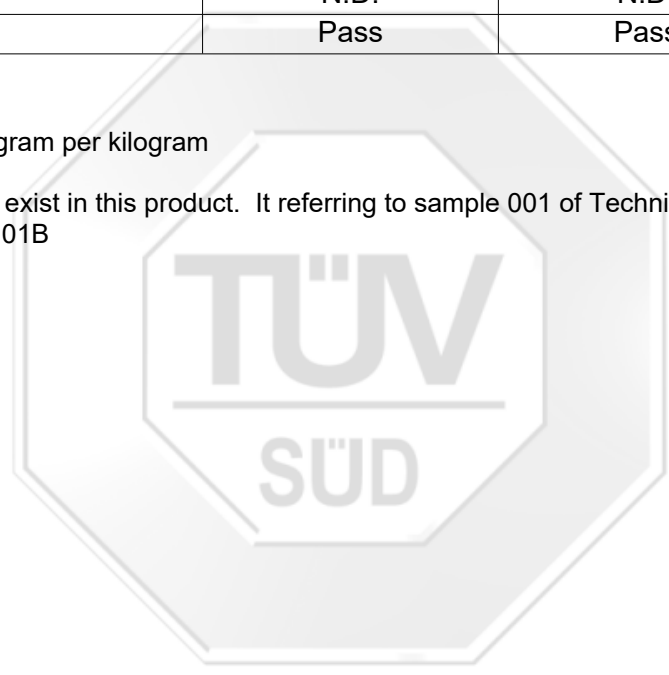
3.1 US California Proposition 65 - Total Cadmium Content Test - Substrate Materials

Test method: Acid digestion/Microwave Digestion, analyzed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES). [Reporting Limit: 10.0mg/kg]

Test item	Results [mg/kg]		Client's Specification [mg/kg]
	Sample 001+002	Sample 004	
Cadmium	N.D.	N.D.	<75
Conclusion	Pass	Pass	-

Note:

- "mg/kg" denotes milligram per kilogram
- "<" denotes less than
- Sample 001 does not exist in this product. It referring to sample 001 of Technical Report No. 68.431.21.02961.01B





3.2 US California Proposition 65 - Total Cadmium Content Test - Paint and Similar Surface-Coating Materials

Test method: Microwave Digestion, analyzed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES). [Reporting Limit: 10.0mg/kg]

Test Item	Results [mg/kg]	Client's Specification [mg/kg]
	Sample 003	
Cadmium	N.D.	<75
Conclusion	Pass	-

Note:

- "mg/kg" denotes milligram per kilogram
- "<" denotes less than





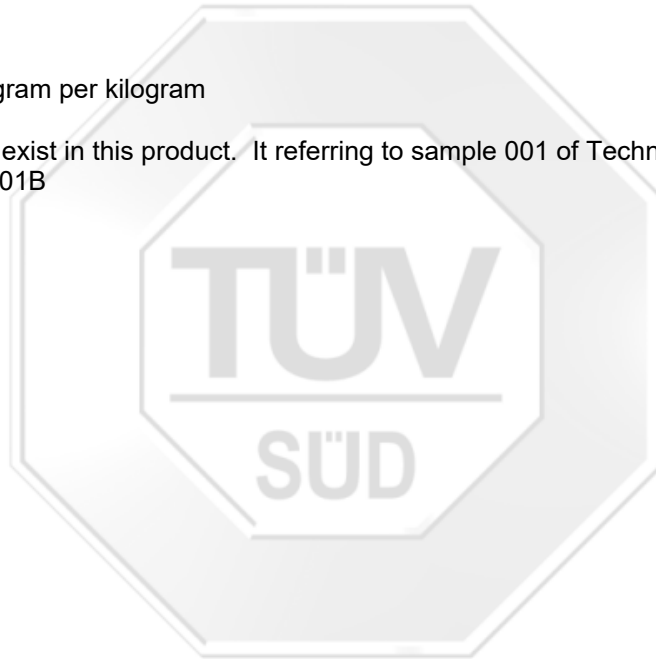
3.3 US California Proposition 65 - Total Lead Content Test - Substrate Materials

Test method: Acid digestion or Microwave Digestion, analyzed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES). [Reporting Limit: 10.0mg/kg]

Test Item	Results [mg/kg]		Client's Specification [mg/kg]
	Sample 001+002	Sample 004	
Lead	N.D.	N.D.	<100
Conclusion	Pass	Pass	-

Note:

- "mg/kg" denotes milligram per kilogram
- "<" denotes less than
- Sample 001 does not exist in this product. It referring to sample 001 of Technical Report No. 68.431.21.02961.01B





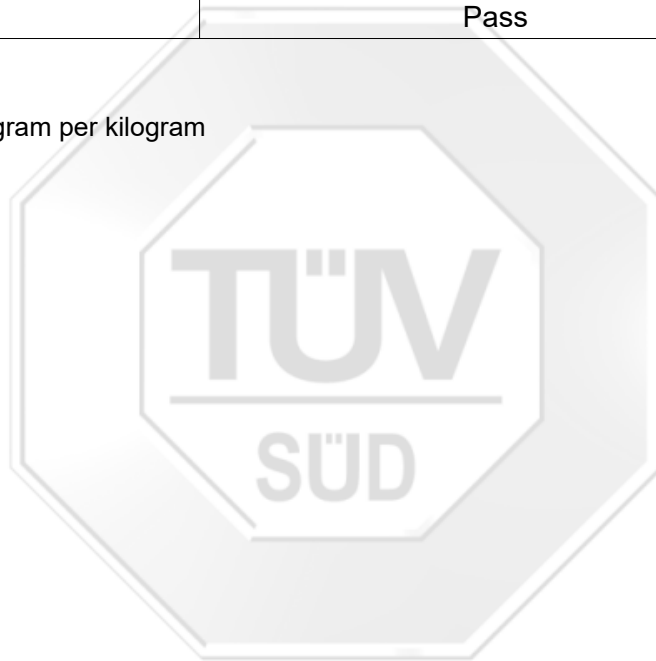
3.4 US California Proposition 65 - Total Lead Content Test - Paint and Similar Surface-Coating Materials

Test method: Microwave Digestion, analyzed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES). [Reporting Limit: 10.0mg/kg]

Test Item	Results [mg/kg]	Client's Specification [mg/kg]
	Sample 003	
Lead	N.D.	<90
Conclusion	Pass	-

Note:

- "mg/kg" denotes milligram per kilogram
- "<" denotes less than



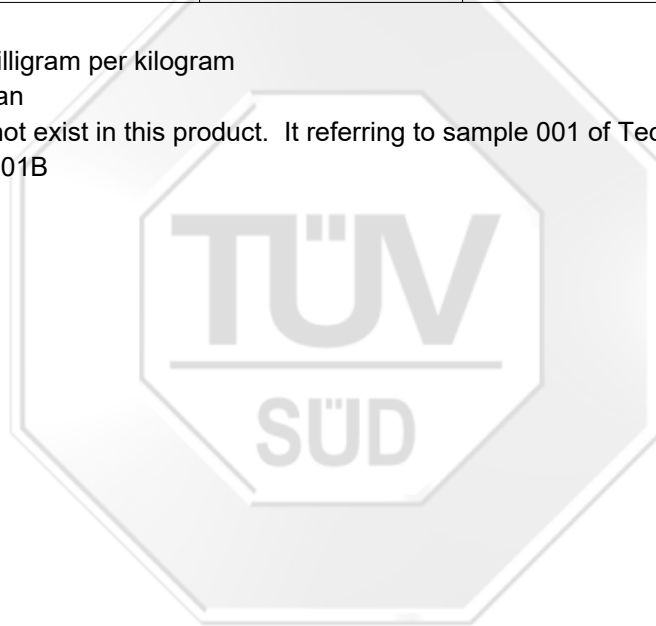


3.5 Total Lead Content Test

Consumer Products Containing Lead Regulations SOR/2018-83
 Acid digestion / Microwave Digestion, analyzed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES). [Reporting Limit: 10.0mg/kg]

Analyte	Result [mg/kg]		
	Sample 001+002	Sample 003	Sample 004
Lead	N.D.	N.D.	N.D.
Limit	<90		
Conclusion	Pass	Pass	Pass

- Note 1. "mg/kg" denotes milligram per kilogram
 2. "<" denotes less than
 3. Sample 001 does not exist in this product. It referring to sample 001 of Technical Report No. 68.431.21.02961.01B





3.6 Total Lead Content Test

Surface Coating Materials Regulations SOR/2016-193

Microwave Digestion, analyzed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES). [Reporting Limit: 10.0mg/kg]

Analyte	Result [mg/kg]
	Sample
	003
Lead	N.D.
Limit	<90
Conclusion	Pass

Note 1. "mg/kg" denotes milligram per kilogram

2. "<" denotes less than



3.7 Phthalates Content (11P)

Test method: In-house method, solvent extracted and analyzed by Gas Chromatography and Mass Spectrometry (GC-MS). [Reporting limit: 0.005%]

Test Items	CAS No.	Results [%]			Client's Specification [%]
		Sample 001+002	Sample 003	Sample 004	
Di-(2-ethylhexyl)-phthalat (DEHP)	117-81-7	N.D.	N.D.	N.D.	<0.1
Dibutylbenzylphthalat (DBP)	84-74-2	N.D.	N.D.	N.D.	<0.1
Diethyl phthalate (DEP)	84-66-2	N.D.	N.D.	N.D.	<0.1
Butylbenzylphthalat (BBP)	85-68-7	N.D.	N.D.	N.D.	<0.1
Di-iso-butylphthalat (DIBP)	84-69-5	N.D.	N.D.	N.D.	<0.1
Di-isononyl phthalate (DINP)	28553-12-0 , 68515-48-0	N.D.	N.D.	N.D.	<0.1
Di-isodecylphthalat (DIDP)	26761-40-0 , 68515-49-1	N.D.	N.D.	N.D.	<0.1
Di-n-octylphthalat (DNOP)	117-84-0	N.D.	N.D.	N.D.	<0.1
Di-n-hexyl phthalate (DnHP)	84-75-3	N.D.	N.D.	N.D.	<0.1
Dicyclohexyl phthalate (DCHP)	84-61-7	N.D.	N.D.	N.D.	<0.1
Di-n-pentylphthalat (DNPP)	131-18-0	N.D.	N.D.	N.D.	<0.1
Conclusion		Pass	Pass	Pass	-

Note 1. “%” denotes percentage by weight

2. “<” denotes less than

3. Sample 001 does not exist in this product. It referring to sample 001 of Technical Report No. 68.431.21.02961.01B

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3.8 US California Proposition 65 - Phthalates Content (6P)

Test method: In-house method, solvent extracted and analyzed by Gas Chromatography and Mass Spectrometry (GC-MS). [Reporting limit: 0.005%]

Test Items	CAS No.	Results [%]			Client's Specification [%]
		Sample 001+002	Sample 003	Sample 004	
Dibutyl phthalate, (DBP)	84-74-2	N.D.	N.D.	N.D.	<0.1
Bis (2-ethylhexyl) phthalate, (DEHP)	117-81-7	N.D.	N.D.	N.D.	<0.1
Benzyl butyl phthalate, (BBP)	85-68-7	N.D.	N.D.	N.D.	<0.1
Di-isodecyl phthalate, (DIDP)	26761-40-0 , 68515-49-1	N.D.	N.D.	N.D.	<0.1
Di-n-hexyl phthalate (DNHP)	84-75-3	N.D.	N.D.	N.D.	<0.1
Di-isononyl phthalate, (DINP)	28553-12-0 , 68515-48-0	N.D.	N.D.	N.D.	<0.1
Conclusion		Pass	Pass	Pass	-

Note 1. “%” denotes percentage by weight

2. “<” denotes less than

3. Sample 001 does not exist in this product. It referring to sample 001 of Technical Report No. 68.431.21.02961.01B

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3.9 U.S. CFR Title 16 Part 1307 - Toys and Childcare Articles - Phthalates Content (8P)
 CPSC-CH-C1001-09.4 – Standard Operating Procedure for Determination of Phthalates
 [Reporting Limit = 0.005%]

Phthalates	CAS No.	Results [%]			Limit [%]
		Sample 001+002	Sample 003	Sample 004	
Dibutyl phthalate, (DBP)	84-74-2	N.D.	N.D.	N.D.	<0.1
Benzyl butyl phthalate, (BBP)	85-68-7	N.D.	N.D.	N.D.	<0.1
Bis (2-ethylhexyl) phthalate, (DEHP)	117-81-7	N.D.	N.D.	N.D.	<0.1
Diisobutylphthalate, (DIBP)	84-69-5	N.D.	N.D.	N.D.	<0.1
Di-n-hexyl phthalate (DHEXP)	84-75-3	N.D.	N.D.	N.D.	<0.1
Dicyclohexyl phthalate (DCHP)	84-61-7	N.D.	N.D.	N.D.	<0.1
Di-isononyl phthalate, (DINP)	28553-12-0 , 68515-48-0	N.D.	N.D.	N.D.	<0.1
Di-n-pentyl phthalates (DPENP)	131-18-0	N.D.	N.D.	N.D.	<0.1
Conclusion		Pass	Pass	Pass	-

- Note 1. “%” denotes percentage by weight
 2. “<” denotes less than
 3. Sample 001 does not exist in this product. It referring to sample 001 of Technical Report No. 68.431.21.02961.01B



3.10 Total Mercury Content Test

Surface Coating Materials Regulations SOR/2016-193

Microwave Digestion, analyzed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES). [Reporting Limit: 10.0mg/kg]

Test Item	Results [mg/kg]	Limit [mg/kg]
	Sample 003	
Mercury	N.D.	<10
Conclusion	Pass	-

Note 1. "mg/kg" denotes milligram per kilogram

2. "<" denotes less than



3.11 FDA CFR Title 21 Part 177.1210

Test for compliance with the selected requirement(s) in U.S. F.D.A. C.F.R. 21. Part 177.1210

TEST ITEMS	TEST CONDITIONS	RESULT [ppm]	CFR Specification [ppm]
		SAMPLE 004	
Chloroform extractives in Distilled water	Fill boiling water and then cool to 100 °F	<10	50
Chloroform extractives in 8% Ethanol	Fill boiling 8% ethanol and then cool to 100 °F	<10	50
Conclusion		Pass	-

Note:

1. "ppm" denotes part per million
2. "<" denotes less than
3. "°F" denotes degree Fahrenheit
4. The specification is quoted from U.S. F.D.A. C.F.R. 21. Part 177.1210

3.12 FDA CFR Title 21 Part 177.1460

Test for compliance with the selected requirement(s) in U.S. F.D.A. C.F.R. 21. Part 177.1460

TEST ITEMS	TEST CONDITIONS	RESULT [mg/in ²]	CFR Specification [mg/in ²]
		SAMPLE 002	
Chloroform extractives in Distilled water	Fill boiling water and then cool to 100 °F	<0.1	<0.5
Chloroform extractives in 8% Ethanol	Fill boiling 8% ethanol and then cool to 100 °F	<0.1	<0.5
Conclusion		Pass	-

Note:

1. "mg/in²" denotes milligram per square inch
2. "<" denotes less than
3. "°F" denotes degree Fahrenheit
4. The specification is quoted from U.S. F.D.A. C.F.R. 21. Part 177.1460

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3.13 FDA CFR Title 21 Part 178.3800

Test for compliance with the selected requirement(s) in U.S. F.D.A. C.F.R. 21. Part 178.3800

TEST ITEMS	RESULTS [mg/kg]	CFR Specification [mg/kg]
	SAMPLE 002	
Pentachlorophenol(PCP)	<0.05	<50
Conclusion	Pass	-

Note:

1. "mg/kg" denotes milligram per kilogram
2. "<" denotes less than
3. The specification is quoted from U.S. F.D.A. C.F.R. 21. Part 178.3800

3.14 Total Bisphenol A Content

Test method: Solvent extraction followed by LC-MSMS analysis. [Reporting Limit: 0.1 mg/kg]

Analyte	Results [mg/kg]	
	Sample 004	Sample 005
Bisphenol A	<0.1	<0.1
Client's Limit	<0.1	
Conclusion	Pass	Pass

Note:

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

-- END OF TEST REPORT--

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